



THE SPECIALIST FOR IMMUNOLOGY
HIGH QUALITY RESEARCH REAGENTS

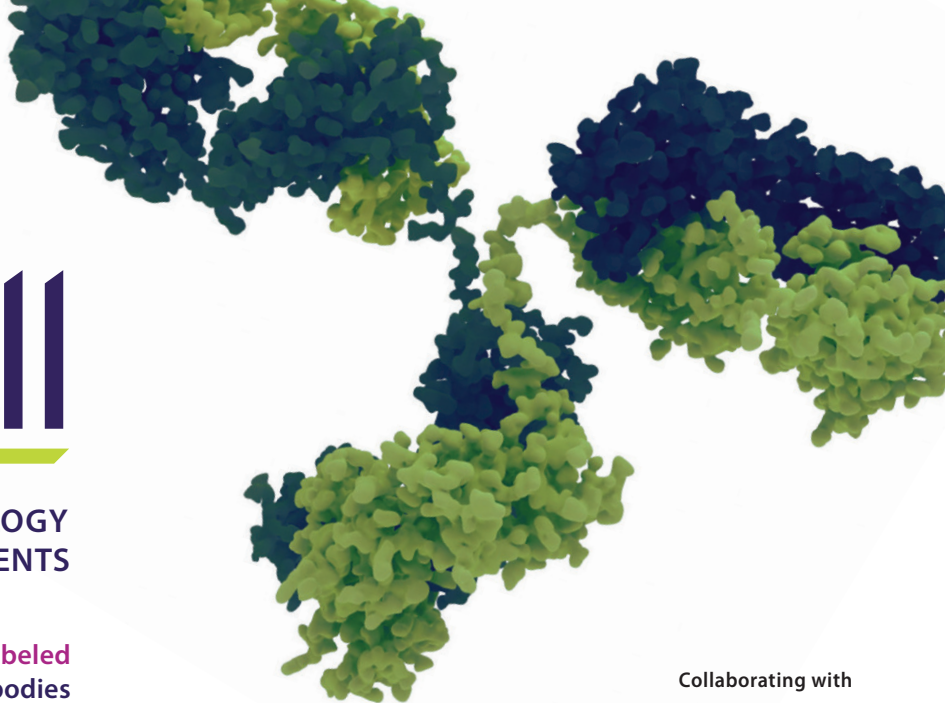
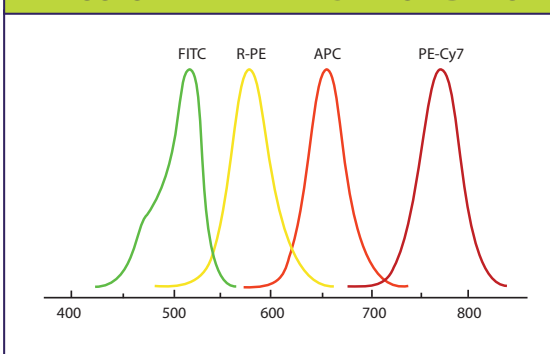
Labeled & Unlabeled

- Human CD Monoclonal Antibodies
- Recombinant Fusion Proteins

Ancell Corporation manufactures and supplies for many years monoclonal antibodies, recombinant fusion proteins, isotype controls and second step reagents for immunology research. The high performance characteristics and quality make Ancell's antibodies and proteins widely recognized reagents, which are used and cited in many scientific publications.

Ancell's extensive panel of human CD antibodies is produced by its experienced in-house development team. The products are purified and conjugated under optimized conditions and rigorously tested in cell lines and human samples. Most of the antibodies are variously labeled to perform in multiple applications, including flow cytometry, immunohistochemistry and immunofluorescence. Several antibodies have functional applications (which may be used for **activation, neutralization or blocking** studies). Ancell also offers a broad range of labeled and unlabeled biologically active recombinant fusion proteins (FC) that are complementary to their CD marker antibody panel.

EMISSION WAVELENGTH OF DYES



Collaborating with



Functional Antibody Highlight

anti-TCR Cβ1 (human), mAb (Jovi-1)

ANC-101-020		100 µg
ANC-101-820	Preservative free	100 µg
ANC-101-030	Biotin	100 µg
ANC-101-040	FITC	120 tests
ANC-101-050	R-PE	120 tests
ANC-101-060	APC	120 tests

CLONE: Jovi-1. **ISOTYPE:** Mouse IgG2a. **SPECIES:** Human. **APPLICATION:** FACS, IHC, FUNC.

Functional Application: This antibody clone is mitogenic for human T cells expressing the TCR Cβ1 chain.

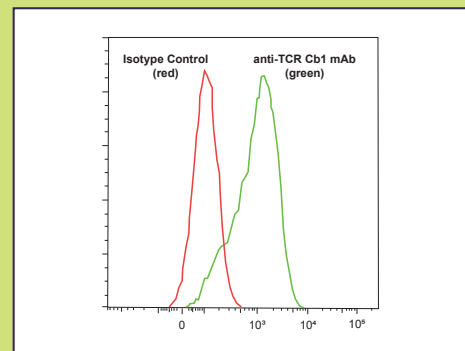


FIGURE: FACS staining of 5x10⁵ cultured Jurkat cells using anti-TCR Cβ1/PF at 5 µg/ml. Cells stained positive with a mean shift of 1.03 log₁₀ fluorescent units when compared to a Mouse IgG2a negative control at a similar concentration.

High Performance CD Monoclonal Antibodies

CD1 – CD39



PID (*)	PRODUCT NAME	LABELS & DYES							FAB			ISOTYPE /SOURCE Ms = mouse Ha = hamster Rt = rat	APPLICATIONS							CROSS-REACTIVITY					
		Preservatives	Preservative Free	Biotin	FITC	R-PE	APC	PE-Cy7	HRP	F(ab')2	Fab		Fab-Biotin	FUNC	ELISA	FACS	ICC	IHC	IP	WB	Human	Primate	Baboon/Monkey	Rabbit	Mouse
ANC-145	CD1a (human), mAb (CB-T6)	x	x	x	x	x						Ms IgG1κ		x					x						
ANC-142	CD1b (human), mAb (SN13)	x	x	x	x	x						Ms IgG1κ		x					x						
ANC-146	CD1c (human), mAb (M241)	x	x	x	x	x						Ms IgG1κ		x		x			x			x			
ANC-143	CD2 (human), mAb (1E7E8)	x	x	x	x	x						Ms IgG2aκ	x	x				x	x						
ANC-144	CD3ε (human), mAb (UCHT1)	x	x	x	x	x	x		x	x		Ms IgG1	x	x		x		x	x						
ANC-703	CD3ε (mouse), mAb (145-2C11)	x	x	x	x	x	x					Ha IgG	x	x			x	x						x	
ANC-148	CD4 (D2) (human), mAb (M-T441)	x	x	x	x	x	x					Ms IgG2b	x	x					x		x				
ANC-147	CD4 (D1) (human), mAb (QS4120)	x	x	x	x	x	x	x				Ms IgG1κ	x	x	x				x						
ANC-704	CD4 (mouse), mAb (GK1.5)	x	x	x	x	x	x	x				Rt IgG2bκ	x	x		x	x							x	
ANC-150	CD5 (human), mAb (UCHT2)	x	x	x	x	x						Ms IgG1		x					x						
ANC-151	CD6 (human), mAb (3F7B6)	x	x	x	x	x						Ms IgG1κ	x	x				x	x						
ANC-152	CD7 (human), mAb (3A1e)	x	x	x	x	x						Ms IgG2b	x	x					x						
ANC-154	CD8 (human), mAb (14)	x	x	x	x	x	x					Ms IgG1κ	x	x					x						
ANC-153	CD8 (human), mAb (UCHT4)	x	x	x	x	x						Ms IgG2a	x	x	x			x	x						
ANC-260	CD8-α (mouse), mAb (53-6)	x	x	x	x	x	x	x				Rt IgG2aκ	x	x										x	
ANC-156	CD9 (human), mAb (SN4)	x	x	x	x	x						Ms IgG1κ		x				x	x						
ANC-157	CD10 (human), mAb (SN5c)	x	x	x	x	x						Ms IgG1κ		x				x	x						
ANC-158	CD11a (human), mAb (38)	x	x	x	x	x						Ms IgG2a	x	x				x	x						
ANC-159	CD11b (human), mAb (ICRF44)	x	x	x	x	x						Ms IgG1	x	x					x	x					
ANC-160	CD11c (human), mAb (3.9)	x	x	x	x	x						Ms IgG1		x					x						
ANC-162	CD13 (human), mAb (22A5)	x	x	x	x	x						Ms IgG2aκ		x					x						
ANC-163	CD14 (human), mAb (UCHM1)	x	x	x	x	x						Ms IgG2a		x					x		x				
ANC-164	CD15 (human), mAb (AHN1.1)	x	x	x	x							Ms IgM	x	x		x			x						
ANC-165	CD16 (human), mAb (3G8)	x	x	x	x	x			x	x	x	Ms IgG1	x	x					x						
ANC-166	CD17 (human), mAb (Huly-m13)	x	x	x	x							Ms IgMκ		x		x			x						
ANC-167	CD18 (human), mAb (IB4)	x	x	x	x	x			x	x		Ms IgG2a	x	x					x	x		x			
ANC-168	CD19 (human), mAb (BU12)	x	x	x	x	x						Ms IgG1	x	x					x						
ANC-170	CD21 (human), mAb (BU33)	x	x	x	x	x						Ms IgG1	x	x				x	x	x				x	
ANC-171	CD22 [Siglec-2] (human), mAb (RFB4)	x	x	x	x	x						Ms IgG1		x		x			x						
ANC-172	CD23 (human), mAb (BU38)	x	x	x	x	x						Ms IgG1	x	x		x			x	x					
ANC-173	CD24 (human), mAb (BA-1)	x	x	x	x							Ms IgM		x		x			x						
ANC-174	CD25 [IL-2R] (human), mAb (7G7B6)	x	x	x	x	x	x					Ms IgG2aκ	x	x		x			x						
ANC-175	CD26 (human), mAb (202.36)	x	x	x	x	x						Ms IgG2b		x					x						
ANC-176	CD27 (human), mAb (M-T271)	x	x	x	x	x						Ms IgG1	x	x					x		x				
ANC-177	CD28 (human), mAb (ANC28.1/5D10)	x	x	x	x	x			x			Ms IgG1κ	x	x	x				x						
ANC-178	CD29 (human), mAb (4B7R)	x	x	x	x	x						Ms IgG1κ		x		x			x	x				x	
ANC-179	CD30 (human), mAb (AC10)	x	x	x	x	x						Ms IgG2bκ	x	x					x						
ANC-180	CD31 (human), mAb (158-2B3)	x	x	x	x	x						Ms IgG1	x	x					x						
ANC-181	CD32 (human), mAb (7.3)	x	x	x	x				x	x		Ms IgG1κ	x	x					x						
ANC-183	CD34 (human), mAb (43A1)	x	x	x	x	x	x					Ms IgG3κ		x		x			x	x	x				
ANC-184	CD35 (human), mAb (E11)	x	x	x	x	x						Ms IgG1	x	x					x	x		x			
ANC-185	CD36 (human), mAb (SMO)	x	x	x	x							Ms IgM	x	x			x			x					
ANC-186	CD37 (human), mAb (IPO-24)	x	x	x	x	x						Ms IgG2b		x					x						
ANC-187	CD38 (human), mAb (AT1)	x	x	x	x	x	x					Ms IgG1		x					x	x		x			
ANC-188	CD39 (human), mAb (BU61)	x	x	x	x	x						Ms IgG1		x		x	x	x	x						

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-020 = Preservatives | -820 = Preservative Free | -030 = Biotin | -040 = FITC | -050 = R-PE | -060 = APC | -070 = PE-Cy7 | -520 = F(ab')2 | -530 = Fab-Biotin | -580 = Fab

High Performance CD Monoclonal Antibodies

CD40 – CD80



PID (*)	PRODUCT NAME	LABELS & DYES							FAB		ISOTYPE /SOURCE Ms = mouse Ha = hamster Rt = rat	APPLICATIONS							CROSS-REACTIVITY						
		Preservatives	Preservative Free	Biotin	FITC	R-PE	APC	PE-Cy7	HRP	F(ab')2		Fab	Fab-Biotin	FUNC	ELISA	FACS	ICC	IHC	IP	WB	Human	Primate	Baboon/Monkey	Rabbit	Mouse
ANC-189	CD40 (human), mAb (BE-1)	x	x	x		x						Ms IgG1	x	x	x			x		x					
ANC-300	CD40 (human), mAb (EA-5)	x	x	x	x	x						Ms IgG1	x	x	x					x					x
ANC-190	CD41a (human), mAb (96.2C1)	x	x	x	x	x						Ms IgG1	x		x					x					
ANC-192	CD43 (human), mAb (DFT1)	x	x	x	x	x						Ms IgG1	x		x				x	x					
ANC-193	CD44 (human), mAb (BU52)	x	x	x	x	x			x			Ms IgG1κ			x			x	x	x					
ANC-352	CD44 (human), mAb (BU75)	x	x	x	x	x						Ms IgG2a	x		x				x	x					
ANC-196	CD45 [B220] (human), mAb (C11)	x	x	x	x	x	x					Ms IgG2ak			x					x					
ANC-195	CD45R (human), mAb (351C5)	x	x	x	x							Ms IgM			x					x					
ANC-720	CD45R (mouse), mAb (RA3-3A1/6.1)	x	x	x	x							Rt IgM			x									x	
ANC-394	CD45RA (human), mAb (158.4D3)	x	x	x	x	x						Ms IgG2a			x					x					
ANC-194	CD45RO (human), mAb (UCHL1)	x	x	x	x	x						Ms IgG2a			x		x			x	x	x			
ANC-197	CD46 (human), mAb (169-1-E4.3)	x	x	x	x	x						Ms IgG2a			x				x	x					
ANC-198	CD47 (human), mAb (ANC2F6)	x	x	x	x	x						Ms IgG1κ			x		x			x					
ANC-199	CD48 (human), mAb (5-4.8)	x	x	x	x	x						Ms IgG2a			x		x			x					
ANC-155	CD49b (human), mAb (HAS6)	x	x	x	x	x						Ms IgG2ak			x					x					
ANC-200	CD49d (human), mAb (BU49)	x	x	x	x	x						Ms IgG1	x		x					x					
ANC-356	CD49f (human), mAb (BQ16)	x	x	x	x	x						Ms IgG1			x		x			x	x				
ANC-201	CD50 (human), mAb (186-2G9)	x	x	x	x	x						Ms IgG2b	x		x					x					
ANC-202	CD51 (human), mAb (P2W7)	x	x	x	x	x						Ms IgG1κ			x					x					
ANC-204	CD53 (human), mAb (63.5A3)	x	x	x	x	x						Ms IgG2b			x					x					
ANC-205	CD54 (D1) (human), mAb (15.2)	x	x	x	x	x						Ms IgG1κ	x	x	x					x	x				x
ANC-206	CD54 (D2) (human), mAb (8.4A6)	x	x	x	x	x						Ms IgG1	x	x	x					x	x				
ANC-207	CD55 (human), mAb (67)	x	x	x	x	x						Ms IgG1κ			x					x					
ANC-308	CD56 [NCAM] (human), mAb (ANC7C7)	x	x	x	x	x						Ms IgG1κ			x					x	x				
ANC-208	CD56 [NCAM] (human), mAb (ERIC-1)	x	x	x								Ms IgG1κ			x					x	x				
ANC-209	CD57 (human), mAb (NK-1)	x	x	x	x							Ms IgM			x					x					
ANC-210	CD58 (human), mAb (TS2)	x	x	x	x	x						Ms IgG1	x	x	x					x	x				
ANC-211	CD59 (human), mAb (BRA-10G)	x	x	x	x	x						Ms IgG1κ			x					x	x	x			
ANC-212	CD60b (human), mAb (UM4D4)	x	x	x	x							Ms IgM	x		x					x	x				
ANC-240	CD62E (human), mAb (HAE-1f)	x	x	x	x	x						Ms IgG1	x		x					x					
ANC-261	CD62L (human), mAb (LAM1-116)	x	x	x	x	x	x					Ms IgG2ak	x		x					x				x	x
ANC-215	CD63 (human), mAb (AHN16.1)	x	x	x	x	x						Ms IgG1	x		x	x				x					
ANC-216	CD64 [IGFR1] (human), mAb (10.1)	x	x	x	x	x			x	x	x	Ms IgG1	x		x					x	x	x			x
ANC-217	CD66b (human), mAb (ANC1D5)	x	x	x	x	x						Ms IgG1			x					x					
ANC-219	CD66b (human), mAb (ANC3C5)	x	x	x	x							Ms IgG1			x					x					
ANC-220	CD66b (human), mAb (ANC4A4)	x	x	x	x		x					Ms IgG1			x					x					
ANC-218	CD66e [CEA] (human), mAb (CB30)	x	x	x		x						Ms IgG1			x					x	x				
ANC-221	CD69 (human), mAb (HP-4B3)	x	x	x	x	x						Ms IgG2a			x					x					
ANC-222	CD70 [CD27L] (human), mAb (BU69)	x	x	x	x	x	x					Ms IgG1	x	x	x	x	x			x	x				
ANC-223	CD71 (human), mAb (DF1513)	x	x	x	x	x						Ms IgG1			x	x				x					
ANC-226	CD74 (human), mAb (M-B741)	x	x	x	x	x						Ms IgG2a			x					x					
ANC-228	CD75 (human), mAb (LN1)	x	x	x	x							Ms IgM			x					x					x
ANC-235	CD79a (human), mAb (ZL7-4)	x	x	x	x	x						Ms IgG1			x		x			x					
ANC-301	CD79b (human), mAb (SN8)	x	x	x	x	x						Ms IgG1κ	x		x					x	x				
ANC-110	CD80 [B7-1] (human), mAb (P1.H1.A1.A1)	x	x	x		x						Ms IgG1κ	x	x	x					x					

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High Performance CD Monoclonal Antibodies

CD81 – CD357



PID (*)	PRODUCT NAME	LABELS & DYES							FAB			ISOTYPE /SOURCE Ms = mouse Ha = hamster Rt = rat	APPLICATIONS							CROSS-REACTIVITY					
		Preservatives	Preservative Free	Biotin	FITC	R-PE	APC	PE-Cy7	HRP	F(ab')2	Fab		Fab-Biotin	FUNC	ELISA	FACS	ICC	IHC	IP	WB	Human	Primate	Baboon/Monkey	Rabbit	Mouse
ANC-302	CD81 (human), mAb (1.3.3.22)	x	x	x	x	x						Ms IgG1			x	x			x	x					
ANC-304	CD83 (human), mAb (HB15e)	x	x	x	x	x						Ms IgG1			x					x					
ANC-305	CD84 (human), mAb (152.1D5)	x	x	x	x	x						Ms IgG1			x					x				x	
ANC-307	CD86 [B7-2] (human), mAb (BU63)	x	x	x	x	x						Ms IgG1	x	x	x				x	x	x				
ANC-315	CD94 (human), mAb (HP-3D9)	x	x	x	x	x						Ms IgG1	x		x		x			x					
ANC-316	CD95 [APO-1] (human), mAb (ANC95.1)	x	x	x	x	x						Ms IgG1		x	x		x			x					
ANC-319	CD98 (human), mAb (UM7F8)	x	x	x	x	x						Ms IgG1	x		x					x					
ANC-321	CD100 (human), mAb (133-1C6)	x	x	x	x							Ms IgM			x					x					
ANC-325	CD104 (human), mAb (UMA9)	x	x	x	x	x						Ms IgG2a	x		x				x	x					
ANC-326	CD105 (human), mAb (SN6)	x	x	x	x	x	x					Ms IgG1κ	x		x		x			x					
ANC-327	CD106 (human), mAb (1.G11B1)	x	x	x	x	x						Ms IgG1	x	x	x		x		x	x				x	
ANC-338	CD117 (human), mAb (57A5)	x	x	x		x	x					Ms IgG1			x					x					
ANC-343	CD122 (human), mAb (9A2)	x	x	x								Ms IgG2aκ	x		x					x					
ANC-348	CD127 (human), mAb (ANC8F2)	x	x	x	x	x						Ms IgG1κ			x					x					
ANC-363	CD133 (human), mAb (ANC9C5)	x	x	x	x	x	x					Ms IgG1κ			x					x					
ANC-355	CD134 [OX40] (human), mAb (BerAct35)	x	x	x	x	x						Ms IgG1	x	x	x		x	x	x	x					
ANC-360	CD137 [4-1BB] (human), mAb (4B4-1)	x	x	x	x	x				x		Ms IgG1κ	x	x	x					x		x			
ANC-365	CD137L [4-1BBL] (human), mAb (ANC5D6)	x	x	x		x						Ms IgG2aκ	x		x				x	x					
ANC-376	CD147 (human), mAb (UM-8D6)	x	x	x	x	x	x					Ms IgG1	x		x		x	x	x	x					
ANC-359	CD152 [CTLA-4] (human), mAb (ANC152.2/8H5)	x	x	x	x	x				x	x	Ms IgG1κ	x	x	x					x				x	
ANC-353	CD154 [CD40L] (human), mAb (24-31)	x	x	x	x	x						Ms IgG1	x	x	x		x		x	x	x				
ANC-255	CD155 [PVR] (human), mAb (ANC2B2)	x	x	x	x	x						Ms IgG1κ		x	x					x					
ANC-350	CD155 [PVR] (human), mAb (ANC6A3)	x	x	x	x	x						Ms IgG1κ		x	x					x					
ANC-388	CD161 (human), mAb (B199.2)	x	x	x	x	x						Ms IgG2b	x		x					x					
ANC-392	CD165 (human), mAb (AD2)	x	x	x	x	x						Ms IgG1	x		x					x					
ANC-393	CD166 (human), mAb (3A6)	x	x	x	x	x						Ms IgG1	x		x		x			x					
ANC-122	CD235a (human), mAb (A63-B/C2)	x	x	x	x							Ms IgMκ			x					x					
ANC-239	CD244 [2B4] (human), mAb (ANC244.8/8F7)	x	x	x	x	x						Ms IgG1κ		x	x					x					
ANC-259	CD244 [2B4] (human), mAb (ANC2B4/3B12)	x	x	x	x							Ms IgG1κ		x	x					x					
ANC-400	CD252 [OX40L] (human), mAb (ANC10G1)	x	x	x	x	x	x					Ms IgG1κ	x	x	x					x					
ANC-266	CD257 [BAFF] (human), mAb (ANC2H3)	x	x	x	x	x						Ms IgG1κ	x		x					x					
ANC-275	CD268 (human), mAb (ANC268.2/6E6)	x	x	x	x	x						Ms IgG1κ		x	x					x					
ANC-269	CD269 [BCMA] (human), mAb (ANC3B1)	x	x	x		x						Ms IgG1κ		x	x					x					
ANC-270	CD270 [HVEM] (human), mAb (ANC3B7)	x	x	x	x	x						Ms IgG2aκ		x	x					x					
ANC-271	CD271 [NGFR] (human), mAb (ANC271/3D7)	x	x	x	x							Ms IgG1κ		x	x					x					
ANC-372	CD272 [BTLA] (human), mAb (ANC5A5)	x	x	x	x	x						Ms IgG1κ	x	x	x					x					
ANC-272	CD272 [BTLA] (human), mAb (ANC6E9)	x	x	x	x	x	x					Ms IgG1κ	x	x	x					x					
ANC-273	CD273 [PD-L2] (human), mAb (ANC8D12)	x	x	x	x							Ms IgG2aκ	x	x	x					x					
ANC-274	CD274 [PD-L1] (human), mAb (ANC6H1)	x	x	x	x	x						Ms IgG1κ		x	x					x					
ANC-263	CD275 [ICOSL] (human), mAb (ANC4E3)	x	x	x								Ms IgG1κ		x						x					
ANC-265	CD278 [ICOS] (human), mAb (ANC6C6)	x	x	x	x	x	x					Ms IgG1κ	x	x	x					x					
ANC-279	CD279 [PD-1] (human), mAb (ANC4H6)	x	x	x	x							Ms IgG1κ		x	x					x					
ANC-126	CD326 [Ep-CAM] (human), mAb (ANC8D4)	x	x	x	x	x						Ms IgG1κ		x	x					x					
ANC-368	CD357 [GITR] (human), mAb (ANC5A3)	x	x	x	x	x						Ms IgG3κ		x	x					x					
ANC-268	CD357 [GITR] (human), mAb (ANC7D6)	x	x	x	x							Ms IgMκ	x	x	x					x					

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Other Immunology Antibodies, Immunoglobulin Antibodies and Isotype Controls



PID (*)	PRODUCT NAME	LABELS & DYES							FAB		ISOTYPE /SOURCE Ms = mouse Ha = hamster Rt = rat	APPLICATIONS						CROSS-REACTIVITY								
		Preservatives	Preservative Free	Biotin	FITC	R-PE	APC	PE-Cy7	HRP	F(ab)'2		Fab	Fab-Biotin	FUNC	ELISA	FACS	ICC	IHC	IP	WB	Human	Primate	Baboon/Monkey	Rabbit	Mouse	Others
Other Immunology Antibodies																										
ANC-357	bcl-2 (human), mAb (Bcl-2/100)	x	x	x	x	x						Ms IgG1		x					x	x						
ANC-250	DR3 (human), mAb (ANC2D12)	x	x	x								Ms IgG1κ	x						x							
ANC-333	FOXP3 (human), mAb (ANCFX2D7)	x		x	x	x						Ms IgG1κ	x	x					x							
ANC-277	GARP [LRRC32] (human), mAb (ANC8C9)	x	x	x	x	x						Ms IgG2ακ	x	x					x							
ANC-335	Hif-1-α (human), mAb (ANC10G3)	x	x									Ms IgG1κ	x	x					x							
ANC-247	IFN-γ (human), mAb (ANC2E11)	x		x	x	x						Ms IgG1κ	x	x					x							
ANC-245	IL-2 (human), mAb (ANC7F7)	x		x	x	x						Ms IgG1	x	x		x			x							
ANC-267	LTβR (human), mAb (ANCLTR2/9E2)	x	x	x	x	x						Ms IgG1κ	x	x					x							
ANC-121	MHC Class I (human), mAb (3F10)	x	x	x	x	x						Ms IgG2α	x	x		x			x							
ANC-131	MHC Class II (human), mAb (TDR31.1)	x	x	x	x	x	x					Ms IgG1		x		x		x	x							
ANC-227	p53 (human), mAb (Pab240)	x		x	x							Ms IgG1κ		x		x		x	x							
ANC-358	Perforin (human), mAb (δG9)	x		x	x	x						Ms IgG2bκ		x		x			x	x						
ANC-101	TCR C β 1 (human), mAb (Jovi-1)	x	x	x	x	x	x					Ms IgG2α	x	x					x							
ANC-102	TCR V β 3 (human), mAb (Jovi-3)	x	x	x	x	x						Ms IgG2αλ	x	x					x							
ANC-340	TIGIT (human), mAb (ANCTG6/10A6)	x	x	x		x						Ms IgG1κ	x	x					x							
ANC-398	TNF-α (human), mAb (J1D9)	x		x	x	x						Ms IgG1	x	x					x	x						
Immunoglobulin Antibodies																										
ANC-137	IgA (human), mAb (Hisa43)	x	x	x	x	x						Ms IgG1κ	x	x					x							
ANC-139	IgG (human), mAb (ICO-97)	x	x	x	x	x						Ms IgG1	x	x					x							
ANC-136	Igκ (human), mAb (L1C1)	x	x	x	x	x						Ms IgG1κ		x					x							
ANC-138	Igλ, mAb (human) (ICO106)	x	x	x	x	x						Ms IgG1	x	x					x							
ANC-141	IgM (human), mAb (UCHB1)	x	x	x	x	x						Ms IgG1	x	x	x				x							
ANC-234	IgG/IgM (mouse), pAb (Biotin)			x								Goat	x	x		x							x			
ANC-232	IgG/IgM (mouse), pAb (FITC)				x							Goat	x	x		x							x			
ANC-801	Poly-His, mAb (ANC3G4-9)	x								x		Ms IgG1	x											x		
Isotype Controls																										
ANC-278	Mouse IgG1 Isotype Control (MOPC31C)	x	x	x	x	x	x			x	x	Ms IgMκ	x	x		x		x								
ANC-295	Human IgG1 Isotype Control	x	x	x	x	x						Hu IgG1κ	x	x		x		x								
ANC-281	Mouse IgG2α Isotype Control (RPC 5)	x	x	x	x	x	x			x	x	Ms IgG2ακ	x	x		x		x								
ANC-284	Mouse IgG2b Isotype Control (BPC 4)	x	x	x	x	x	x					Ms IgG2bκ	x	x		x		x								
ANC-287	Mouse IgG3 Isotype Control (SIPC 3385)	x	x	x	x	x	x					Ms IgG3κ	x	x		x		x								
ANC-290	Mouse IgM Isotype Control (TEPC 183)	x	x	x	x							Ms IgMκ	x	x		x		x								

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-020 = Preservatives | -820 = Preservative Free | -030 = Biotin | -040 = FITC | -050 = R-PE | -060 = APC | -070 = PE-Cy7 | -520 = F(ab)'2 | -530 = Fab-Biotin | -580 = Fab

Recombinant Fusion Proteins for Autoimmune Disease and Immuno-Oncology Research



PID	PRODUCT NAME	LABELS & DYES					SOURCE
		Preservatives only	Preservative Free	Biotin	FITC	R-PE	
ANC-559	CD24 (human)-mulg Fusion Protein	x					HEK 293 cells
ANC-543	CD27 (human)-mulg Fusion Protein	x	x	x			CHO cells
ANC-508	CD28 (human)-mulg Fusion Protein	x	x	x			CHO cells
ANC-504	CD40 (human)-mulg Fusion Protein	x	x	x		x	CHO cells
ANC-514	CD54 (human)-mulg Fusion Protein	x	x	x			CHO cells
ANC-522	CD56 [NCAM] (trn) (human)-mulg Fusion Protein	x	x				CHO cells
ANC-537	CD70 [CD27L] (human)-muCD8 Fusion Protein	x	x	x			CHO cells
ANC-510	CD80 [B7-1] (human)-mulg Fusion Protein	x	x	x			CHO cells
ANC-509	CD86 [B7-2] (human)-mulg Fusion Protein	x	x	x			CHO cells
ANC-579	CD86 [B7-2] (P2) (human)-mulg Fusion Protein	x	x				CHO cells
ANC-589	CD86 [B7-2] (var) (human)-mulg Fusion Protein	x	x				CHO cells
ANC-506	CD95 [APO-1] (human)-hulg Fusion Protein	x	x	x			CHO cells
ANC-545	CD123 [IL-3R α] (human)-mulg Fusion Protein	x	x	x			CHO cells
ANC-539	CD127 (human)-mulg Fusion Protein	x	x				CHO cells
ANC-513	CD134 [OX40] (human)-mulg Fusion Protein	x	x	x			CHO cells
ANC-502	CD137 [4-1BB] (human)-hulg Fusion Protein	x	x	x	x	x	CHO cells
ANC-503	CD137L [4-1BBL] (human)-muCD8 Fusion Protein	x	x	x			CHO cells
ANC-501	CD152 [CTLA-4] (human)-mulg Fusion Protein	x	x	x	x	x	CHO cells
ANC-505	CD154 [CD40L] (human)-muCD8 Fusion Protein	x	x	x		x	CHO cells
ANC-555	CD155 [PVR] (human)-mulg Fusion Protein	x	x	x			CHO cells
ANC-544	CD244 [2B4] (human)-mulg Fusion Protein	x	x	x			CHO cells
ANC-512	CD252 [OX40L] (human)-muCD8 Fusion Protein	x	x	x			CHO cells
ANC-525	CD257 [BAFF] (trn) (human)-muCD8 Fusion Protein	x	x	x			CHO cells
ANC-524	CD268 [BAFF-R] (human)-mulg Fusion Protein	x	x	x			CHO cells
ANC-519	CD269 [BCMA] (human)-mulg Fusion Protein	x	x	x			CHO cells
ANC-531	CD270 [HVEM] (human)-mulg Fusion Protein	x	x	x			CHO cells
ANC-527	CD271 [NGFR] (human)-mulg Fusion Protein	x	x	x			CHO cells
ANC-542	CD272 [BTLA] (human)-mulg Fusion Protein	x	x				CHO cells
ANC-573	CD273 [B7-DC/PD-L2] (human)-mulg Fusion Protein	x	x	x			CHO cells
ANC-541	CD274 [B7-H1/PD-L1] (human)-mulg Fusion Protein	x	x	x			CHO cells
ANC-575	CD275 [B7-H1/ICOS-L] (human)-mulg Fusion Protein	x	x	x			CHO cells
ANC-517	CD278 [ICOS] (human)-mulg Fusion Protein	x	x	x		x	CHO cells
ANC-549	CD279 [PD-1] (human)-mulg Fusion Protein	x	x	x			CHO cells
ANC-557	CD304 [Neuropilin-1] (human)-mulg Fusion Protein	x	x				HEK 293 cells
ANC-528	DR3 (human)-mulg Fusion Protein	x	x	x			CHO cells
ANC-536	LT β R (human)-mulg Fusion Protein	x	x	x			CHO cells
ANC-556	TIGIT (human)-mulg Fusion Protein	x	x	x			CHO cells

Negative Control Protein

ANC-581	Mulg Control Protein	x	x	x			CHO cells
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Secondary Detection Proteins

ANC-253	Streptavidin (R-PE)					x	E. coli
ANC-254	Streptavidin (FITC)				x		E. coli

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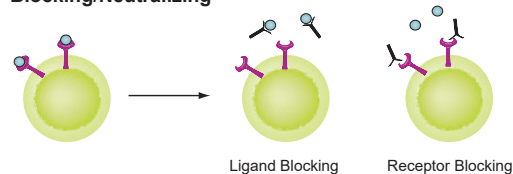
Functional Antibody Highlights



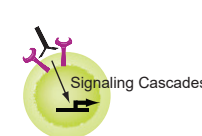
Antibodies are highly specific, naturally evolved molecules that recognize and eliminate pathogenic and disease antigens. The typical antibody consists of two antigen-binding fragments (Fabs), which are linked via a flexible region (the hinge) to a constant Fc region. This structure comprises two pairs of polypeptide chains, each pair containing a heavy and a light chain of different sizes.

Antibodies displaying an agonist or antagonist activity (functional grade antibodies) are powerful tools for mimicking or blocking physiological functions *in vitro* and *in vivo*. Functional grade antibodies are available free of preservatives and tested for low endotoxin content and may be used for activation, neutralizing or blocking studies, both *in vitro* or *in vivo*.

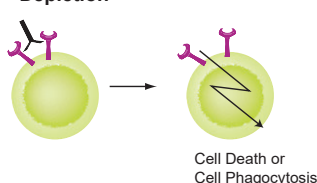
Blocking/Neutralizing



Activation/Induction



Depletion



anti-CD3e (human), mAb (UCHT1)

ANC-144-020		100 µg
ANC-144-820	Preservative free	100 µg
ANC-144-030	Biotin	100 µg
ANC-144-040	FITC	120 tests
ANC-144-050	R-PE	120 tests
ANC-144-060	APC	120 tests
ANC-144-520	F(ab') ₂	100 µg
ANC-144-580	Fab	100 µg

CLONE: UCHT1. **ISOTYPE:** Mouse IgG1. **SPECIES:** Human. **APPLICATION:** FACS, FUNC, WB.

Functional Application: This antibody clone activates T cells expressing CD3e.

anti-CD32 (human), mAb (7.3)

ANC-181-020		100 µg
ANC-181-820	Preservative free	100 µg
ANC-181-030	Biotin	100 µg
ANC-181-050	R-PE	120 tests
ANC-181-060	APC	120 tests
ANC-181-520	F(ab') ₂	100 µg
ANC-181-580	Fab	100 µg

CLONE: 7.3. **ISOTYPE:** Mouse IgG1κ. **SPECIES:** Human. **APPLICATION:** FACS, FUNC.

Functional Application: This antibody clone reacts with a domain 2 epitope of all CD32 isoforms and blocks immune complex binding.

anti-CD16 (human), mAb (3G8)

ANC-165-020		100 µg
ANC-165-820	Preservative free	100 µg
ANC-165-030	Biotin	100 µg
ANC-165-040	FITC	120 tests
ANC-165-060	APC	120 tests
ANC-165-520	F(ab') ₂	100 µg
ANC-165-530	Fab (Biotin)	100 µg
ANC-165-580	Fab	100 µg

CLONE: 3G8. **ISOTYPE:** Mouse IgG1. **SPECIES:** Human. **APPLICATION:** FACS, FUNC.

Functional Application: This antibody clone blocks binding of complexed IgG to CD16 and has been used to block ADCC *in vitro*.

anti-CD64 (human), mAb (10.1)

ANC-216-020		100 µg
ANC-216-820	Preservative free	100 µg
ANC-216-030	Biotin	100 µg
ANC-216-040	FITC	120 tests
ANC-216-050	R-PE	120 tests
ANC-216-520	F(ab') ₂	100 µg
ANC-216-530	Fab (Biotin)	100 µg
ANC-216-580	Fab	100 µg

CLONE: 10.1. **ISOTYPE:** Mouse IgG1. **SPECIES:** Human, Dog, Monkey. **APPLICATION:** FACS, FUNC, WB.

Functional Application: This antibody clone blocks binding of Fc gamma RI to immunoglobulin-opsonized cells and inhibits fibrocyte differentiation.

anti-CD28 (human), mAb (ANC28.1/5D10)

ANC-177-020		100 µg
ANC-177-820	Preservative free	100 µg
ANC-177-030	Biotin	100 µg
ANC-177-040	FITC	120 tests
ANC-177-050	R-PE	120 tests
ANC-177-520	F(ab') ₂	100 µg

CLONE: ANC28.1/5D10. **ISOTYPE:** Mouse IgG1κ. **SPECIES:** Human. **APPLICATION:** ELISA, FACS, FUNC.

Functional Application: This antibody clone stimulates expression of IL-2 from CD28⁺ cell and can induce antigen-independent T cell proliferation.

anti-CD252 [OX40L] (human), mAb (ANC10G1)

ANC-400-020		100 µg
ANC-400-820	Preservative free	100 µg
ANC-400-030	Biotin	100 µg
ANC-400-040	FITC	120 tests
ANC-400-050	R-PE	120 tests
ANC-400-060	APC	120 tests

CLONE: ANC10G1. **ISOTYPE:** Mouse IgG1κ. **SPECIES:** Human. **APPLICATION:** ELISA, FACS, FUNC.

Functional Application: This antibody clone blocks binding of recombinant CD134 to CD134L on HUVEC.

STANDARD Exosomes Markers Tetraspanin Antigens CD9, CD63 and CD81

Exosomes are extracellular vesicles generated by all cells and they carry nucleic acids, proteins, lipids, and metabolites. They are mediators of near and long-distance intercellular communication in health and disease and affect various aspects of cell biology. Intercellular communication through exosomes seems to be involved in the pathogenesis of various disorders, including cancer, neurodegeneration and inflammatory diseases.

Sensitive and specific antibodies are an essential tool for the **detection of extracellular vesicles (EVs)**, including exosomes, which express antigens with 3D conformations and/or post-translational modifications that often differ from the cellular counterpart.

The group of tetraspanin proteins **CD9, CD63, and CD81** are the **most common EV-associated markers** reported in the literature and have been used for **EV capture** in many studies, including **ELISA, flow cytometry, and lab-on-a-chip assays**. Each of these tetraspanins has been demonstrated to play an active role in EV biogenesis or cargo sorting, suggesting their essential role in the EV secretory pathway.

Ancell Corporation offers specific and sensitive antibodies for tetraspanin detection and exosome capture and a plethora of additional antigen specific antibodies which consequently allows to phenotype EV populations based on the antigen profile.

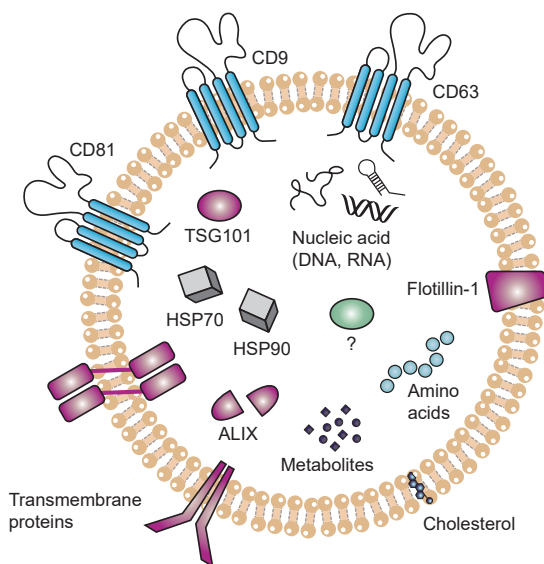


FIGURE: Exosome Biomarkers CD9, CD63, CD81.

Specific and Sensitive Tetraspanin Antibodies

anti-CD9 (human), mAb (SN4)

ANC-156-020		100 µg
ANC-156-820	Preservative free	100 µg
ANC-156-030	Biotin	100 µg
ANC-156-040	FITC	120 tests
ANC-156-050	R-PE	120 tests

CLONE: SN4. **ISOTYPE:** Mouse IgG1κ. **SPECIES:** Human. **APPLICATION:** FACS, WB.

This antibody clone specifically reacts with the large extracellular domain (LED) of the tetraspanin CD9 molecule.

anti-CD63 (human), mAb (AHN16.1)

ANC-215-020		100 µg
ANC-215-820	Preservative free	100 µg
ANC-215-030	Biotin	100 µg
ANC-215-040	FITC	120 tests
ANC-215-050	R-PE	120 tests

CLONE: AHN16.1. **ISOTYPE:** Mouse IgG1. **SPECIES:** Human. **APPLICATION:** FACS, FUNC, ICC.

This antibody clone specifically reacts with the tetraspanin CD63 molecule.

anti-CD81 (human), mAb (1.3.3.22)

ANC-302-020		100 µg
ANC-302-820	Preservative free	100 µg
ANC-302-030	Biotin	100 µg
ANC-302-040	FITC	120 tests
ANC-302-050	R-PE	120 tests

CLONE: 1.3.3.22. **ISOTYPE:** Mouse IgG1. **SPECIES:** Human. **APPLICATION:** FACS, ICC, WB.

This antibody clone specifically reacts with the tetraspanin CD81 molecule.