Mouse Monoclonal Antibody to

Amyloid βA4 (1-43), C-Terminus

clone 6G12

0095-100/bA4	(43)-6G12
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Size (µg)

Order No.:

100





5ize (μg)								
Lot No.:		0095S				02/020307F		
Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope		Immunogen	
lgG1	human	ELISA, WB		none	C-Terminus ((1-43)	of Amyloid bA4	C-terminal peptide conjugated to KLF	
Backgrou	nd and Specificity:					Related Pro	ducts	
(APP), is the principal component of senile plaques in Alzheimer's disease. Cleavage of APP by alpha-secretase or alternatively by beta-secretase leads to generation and extracellular release of soluble APP peptides, S-APP-alpha and S-APP-beta, respectively, and the retention of corresponding membrane-anchored C-terminal fragments, C83 and C99. Subsequent processing of C83 by gamma-secretase yields P3 peptides. This is the major secretory pathway and is nonamyloidogenic. Alternatively, presenilin/nicastrin-mediated gamma-secretase processing of C99 releases the amyloid beta proteins, amyloid-beta 40 (Abeta40) and amyloid-beta 42 (Abeta42), major components of amyloid plaques, and the cytotoxic C-terminal fragments, gamma-CTF(50), gamma-CTF(57) and gamma-CTF(59). Mab bA4(43)-6G12 specifically interacts with the C-Terminus of b-Amyloid (1 - 43) and does not crossreact with b-Amyloid (1 - 40) or (1-42), respectively.						#0064-100/bA4N-19H5 mab to βA4, N-Terminus #0084-100/bA4N-19H11 mab to βA4, N-Terminus #0195-100/bA4N-7F4 mab to βA4, N-Terminus #0196-100/bA4N-7F9 mab to βA4, N-Terminus #0197-100/bA4N-11H3 mab to βA4 (1-40), C-Terminus #0060-100/bA4(40)-5C3 mab to βA4 (1-40/42), C-Terminus		
Purificatio	sup	The antibody was purified from serum-free cell culture supernatant by subsequent thiophilic adsorption and size exclusion chromatography.		е	#0062-100/bA4(40/42)-9F1 mab to βA4 (1-42), C-Terminus #0061-100/bA4(42)-8G7			
Formulatio		ohilized from 1 ml	2 x PBS / 0.1 %	Na-azide / PEG ar	nd			
Reconstitu	ution: Rec	constitute with 1 m	II H_2O (15 min, F	RT).				
Stability:	Upo reco Tha	on reconstitution, a	aliquote and free y can be stored	zate upon arrival (- ze in liquid nitroge frozen at -80°C up ots may be stored a	n; to 1 year.			
	Avo	oid repeated free	ze / thaw cycle	s.			1 2 3	
Positive C	ontrol: non	e					and the second	
Immunobl	Red bloc		king buffer: Ca ubation buffer, e	asein/Tween 20 bas .g. nanoTools prod			3 C	

BIOMOL GmbH Waidmannstr. 35

22769 Hamburg info@biomol.de www.biomol.de

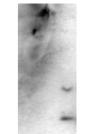
Fax:

+49-40-85326022 or 0800-2466652 (D)

Immunoprecipitation: ND Immunocytochemistry: ND ELISA: use at 0.05 µg/ml

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#3031-500/CPPT or #3031-3000/CPPT



Immunoblot Analysis Amyloid beta A4 peptides (lane 1: bA4(1-40); lane 2: bA4 (1-42); lane 3: bA4 (1-43)) were applied on SDS-PAGE and transferred to a PVDF membrane. The immunoblot was probed with 2µg/ml mab bA4(43)-6G12 for 1h at 15-22°C and developed by ECL (exposure time: 30 sec).