



F(ab')₂ Anti-HUMAN IgM Fc₅u (DONKEY) Antibody Phycoerythrin conjugated Min X Bv & Hs Serum Proteins - 709-708-031

Code: 709-708-031

Size: 1 mL

Product Description: F(ab')₂ Anti-HUMAN IgM Fc₅u (DONKEY) Antibody Phycoerythrin conjugated Min X Bv & Hs Serum Proteins - 709-708-031

Concentration: 0.5 mg/mL by absorbance = 82.0 at 565 nm

PhysicalState: Lyophilized

Label	R-Phycoerythrin (RPE)
Host	Donkey
Emission Wavelength	575
Excitation Wavelength	488
Buffer	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Reconstitution Volume	1.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	15 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.05% (w/v) Sodium Azide
Storage Condition	Store vial at 4° C prior to restoration. Restore with deionized water (or equivalent). This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Centrifuge product if not completely clear after standing at room temperature. Do not freeze after reconstitution. Store reagent in the dark. Use subdued lighting during handling and incubation of cells prior to analysis.
Synonyms	Donkey F(ab') ₂ anti-Human IgM Fc ₅ u Antibody Phycoerythrin Conjugation, Donkey F(ab') ₂ anti-Human IgM Fc ₅ u PE Conjugated Antibody
Application Note	F(ab') ₂ Anti-Human IgM Fc ₅ u Phycoerythrin Antibody is suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring extremely low background levels, absence of F(c) mediated binding, lot-to-lot consistency, high titer and specificity. The maximum amount of reagent required to stain 1 x 10 ⁶ cells in flow cytometry is approximately 1.0 µg of antibody conjugate. Lesser amounts of reagent may be sufficient for staining. Optimal titers for other applications should be determined by the researcher. As a general guideline dilutions of 1:50 to 1:200 should be suitable for most applications.
Background	F(ab') ₂ Anti-Human IgM Fc ₅ u Phycoerythrin Antibody generated in donkey detects specifically the Fc ₅ portion of the human IgM heavy chain. Immunoglobulin M is the largest antibody isotype and the first to be secreted against an initial exposure to antigen. IgM is predominantly produced in the spleen. Formed from covalently linking 5 immunoglobulins together. F(ab') ₂ Anti-Human IgM Fc ₅ u antibody is ideal for investigators in Immunology, Microbiology, and Cell Biology.
Purity And Specificity	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Human IgM coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, pepsin digestion and chromatographic separation. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Phycoerythrin, anti-Donkey Serum, Human IgM, Human IgM Fc ₅ u and Human Serum. No reaction was observed against anti-Pepsin, anti-Donkey IgG F(c), Bovine or Horse Serum Proteins, or other human heavy or light chain proteins.
Assay Dilutions	User Optimized
IF Microscopy	1:100 - 1:250
Flow Cytometry	1:100 - 1:250
Other Assays	User Optimized
Expiration	Expiration date is six (6) months from date of opening.
Immunogen	Human IgM Fc ₅ u fragment
Related Products	
200-301-268	Anti-AKT pS473 (MOUSE) Monoclonal Antibody - 200-301-268
B304	NORMAL GOAT SERUM (NGS) - B304

MB-070 Blocking Buffer for Fluorescent Western Blotting - MB-070

PA00-41 PROTEIN A DyLight™ 488 Conjugated - PA00-41

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.