RD SYSTEMS a biotechne brand

Human Fcy RIIIB/CD16b Antibody

Recombinant Monoclonal Rabbit IgG Clone # 2830D Catalog Number: MAB15971

DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human Fc gamma RIIIB/CD16b in Elisas.	
Source	Recombinant Monoclonal Rabbit IgG Clone # 2830D	
Purification	Protein A or G purified from hybridoma culture supernatant	
Immunogen	HEK293-derived human Fc gamma RIIIB/CD16b protein Met18-Ser200 Accession # NP_000561	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.				
	Recommended Concentration	Sample		
Flow Cytometry	0.25 µg/10 ⁶ cells	Human peripheral blood cells		

DATA		
Flow Cytometry	Detection of Fc gamma RIIIB/CD16b in Human Peripheral Blood Granulocytes by Flow Cytometry. Human peripheral blood granulocytes were stained with (A) Rabbit Anti- Human Fc gamma RIIB/CD16b Monoclonal Antibody (Catalog # MAB15971) or (B) Rabbit IgG isotype control antibody (Catalog # MAB15050) followed by Goat anti- Rabbit IgG APC-conjugated Secondary Antibody (Catalog # F0111) and Mouse Anti-Human Siglec-8 PE-conjugated Monoclonal Antibody (Catalog # FAB7975P). Staining was performed using our Staining Membrane-associated Proteins protocol.	
PREPARATION AND S		-
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.	
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended belo *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C	
Stability & Storage	 Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution. 	

BACKGROUND

Fc gamma RIIIA and B are low affinity receptors for polyvalent immune-complexed IgG. Fc gamma RIIIA is a transmembrane activating receptor expressed by NK cells, T cells, monocytes, and macrophages. Fc gamma RIIIB is a non-activating GPI-linked decoy receptor expressed on neutrophils and eosinophils.

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