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Anti-Fc-gamma-RIIB / CD32b Reference Antibody (BI-1206)

Catalog # APR11367

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P31994
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	34044

Additional Information

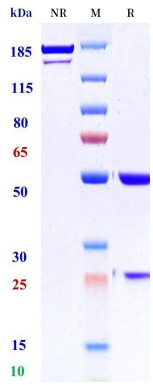
Target/Specificity	Fc-gamma-RIIB / CD32b
Expression system	CHO

Protein Information

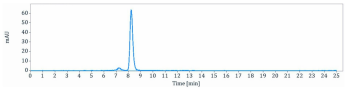
Name	FCGR2B
Synonyms	CD32, FCG2, IGFR2
Function	Receptor for the Fc region of complexed or aggregated immunoglobulins gamma. Low affinity receptor. Involved in a variety of effector and regulatory functions such as phagocytosis of immune complexes and modulation of antibody production by B-cells. Binding to this receptor results in down-modulation of previous state of cell activation triggered via antigen receptors on B-cells (BCR), T-cells (TCR) or via another Fc receptor. Isoform IIB1 fails to mediate endocytosis or phagocytosis. Isoform IIB2 does not trigger phagocytosis.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Is the most broadly distributed Fc-gamma-receptor. Expressed in monocyte, neutrophils, macrophages, basophils, eosinophils, Langerhans cells, B-cells, platelets cells and placenta (endothelial cells). Not detected in natural killer cells

Images

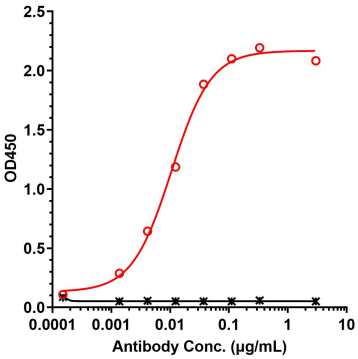
Anti-Fc-gamma-RIIB / CD32b Reference Antibody



(BI-1206) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-Fc-gamma-RIIB / CD32b Reference Antibody (BI-1206) is 95.69%, determined by SEC-HPLC.



Immobilized Human-FcγR2b-His(CD32bc) at 2 μg/mL can bind BI-1206, EC50= 0.01107 μg/mL.