



Anti-FCGR2B monoclonal antibody, clone 200804 [Biotin] (DCABY-4310)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Receptors that recognize the Fc portion of IgG are divided into three groups designated Fc gamma RI, RII, and RIII, also known respectively as CD64, CD32, and CD16. In humans each group of receptors is encoded by 2 - 3 closely related genes designated A, B, and C. Fc gamma RI binds IgG with high affinity and functions during early immune responses. Fc gamma RII and RIII are low affinity receptors that recognize IgG as aggregates surrounding multivalent antigens during late immune responses. Different Fc receptors can function as activators, as inhibitors, or as decoy receptors.
Specificity	Detects human Fc gamma RIIB/C in ELISAs. In ELISAs, this antibody shows approximately 40% cross-reactivity with recombinant human (rh) Fc gamma RIIA and no cross-reactivity with rhFc gamma RI, rmFc gamma RI, rmFc gamma RIIB, rhFc gamma RIIB, rmFc gamma RIII, or rmFcrl3/CD16-2.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Fc gamma RIIB/C. Ala46-Pro217 Accession Number P31994
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	200804
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Biotin
Applications	ELISA Detection (Matched Pair)

Format	Liquid
Size	250 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
Preservative	None
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.

GENE INFORMATION

Gene Name	FCGR2B Fc fragment of IgG, low affinity IIb, receptor (CD32) [Homo sapiens (human)]
Official Symbol	FCGR2B
Synonyms	FCGR2B; Fc fragment of IgG, low affinity IIb, receptor (CD32); CD32; FCG2; CD32B; FCGR2; IGFR2; low affinity immunoglobulin gamma Fc region receptor II-b; CDw32; fcRII-b; Fc gamma RIIb; fc-gamma-RIIb; fc-gamma RII-b; igG Fc receptor II-b; Fc fragment of I
Entrez Gene ID	2213
Protein Refseq	NP_001002273
UniProt ID	P31994
Chromosome Location	1q23
Pathway	Adaptive Immune System; B Cell Receptor Signaling Pathway; B cell receptor signaling pathway; BCR signaling pathway; Fc gamma R-mediated phagocytosis; Fc-epsilon receptor I signaling in mast cells; Immune System; Immunoregulatory interactions between a Ly
Function	IgG binding; protein binding;