



Anti-FCGR2B monoclonal antibody, clone 200008 (DCABY-4095)

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 mouse Fc gamma RIIB in direct ELISAs. In direct ELISAs, this antibody shows 100% cross-reactivity with recombinant mouse (rm) Fc gamma RIII. In ELISAs, this antibody shows approximately 7% cross-reactivity with rmFc gamma RIII.
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Fc gamma RIIB. aa 40-217 Accession Number P08101
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Mouse
Clone	200008
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	Western Blot, ELISA Capture (Matched Pair)
Format	Liquid

Size	500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
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 from date of receipt, 2 to 8 °C, reconstituted. 6 months from date of receipt, -20 to -70 °C, reconstituted.

GENE INFORMATION

Gene Name	Fcgr2b Fc receptor, IgG, low affinity IIb [Mus musculus (house mouse)]
Official Symbol	FCGR2B
Synonyms	FCGR2B; Fc receptor, IgG, low affinity IIb; CD32; Fcgr2; Fcr-2; Fcr-3; Ly-17; LyM-1; Lym-1; fcRII; FcgRII; Fcgr2a; Ly-m20; AI528646; Fc[g]RII; F630109E10Rik; low affinity immunoglobulin gamma Fc region receptor II-b; FcgammaRIIB; Fc-gamma-RII; fc-gamma RI
Entrez Gene ID	14130
Protein Refseq	NP_001070657
UniProt ID	P08101
Chromosome Location	1 H3; 1 78.02 cM
Pathway	B Cell Receptor Signaling Pathway; B cell receptor signaling pathway; FCGR activation; Fc gamma R-mediated phagocytosis; Fcgamma receptor (FCGR) dependent phagocytosis; Immune System; Innate Immune System; Measles;
Function	IgG binding; protein binding; receptor signaling protein activity;