



CD32 monoclonal antibody

Catalog: MB65772

Host: Mouse

Reactivity: Human

BackGround:

FcγRIIB (CD32B) is a low affinity, IgG Fc-binding receptor expressed on B cells, monocytes, macrophages, and dendritic cells (DCs). It is the inhibitory Fc receptor and signals through an immunoreceptor tyrosine-based inhibitory motif (ITIM) within its carboxy-terminal cytoplasmic tail. Binding of immune complexes to FcγRIIB results in tyrosine phosphorylation of the ITIM motif at Tyr292 and recruitment of the phosphatase SHIP, which mediates inhibitory effects on immune cell activation. In this way, FcγRIIB suppresses the effects of activating Fc-binding receptors. For example, mice deficient for FcγRIIB have greater T cell and DC responses following injection of immune complexes. In addition, FcγRIIB plays a role in B cell affinity maturation. Signaling through FcγRIIB in the absence of signaling through the B cell receptor (BCR) is proapoptotic, while signaling through FcγRIIB and the BCR simultaneously attenuates the apoptotic signal and results in selection of B cells with higher antigen affinity.

Product:

Mouse IgG2a. Liquid in PBS, pH 7.3, and 0.02% sodium azide.

Molecular Weight:

~ 34 kDa

Swiss-Prot:

P12318; P31994; P31995

Purification&Purity:

The monoclonal antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

IF (1/50 - 1/200)

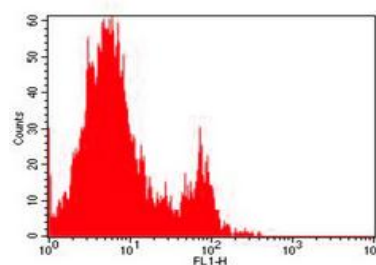
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes human CD32

DATA:



Flow cytometric analysis of human peripheral blood lymphocytes using Anti-CD32 Antibody, followed by anti-mouse IgG PE.

Note:

For research use only, not for use in diagnostic procedure.

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