CD16 Antibody [2.4G2]

CATALOG NUMBER: 76-574

Specifications
SPECIES REACTIVITY: Mouse
TESTED APPLICATIONS: Flow, Func, IF, IP
USER NOTE: Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY: The 2.4G2 monoclonal antibody specifically reacts with an epitope on the extracellular domain of the mouse CD16 (Fc gamma III) and CD 32 (Fc gamma II).
HOST SPECIES: Rat

Properties
PURIFICATION: The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.
PHYSICAL STATE: liquid
BUFFER: Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, ph7.2.
CONCENTRATION: batch dependent
STORAGE CONDITIONS: The product should be stored undiluted at 4˚C and should be protected from prolonged exposure to light. Do not freeze.
CLONALITY: Monoclonal
ISOTYPE: Rat IgG2b
CONJUGATE: Unconjugated

Additional Info
ALTERNATE NAMES: Fcg3, Fcgr3
OFFICIAL SYMBOL: Fcgr3
GENE ID: 14131

Background
BACKGROUND: The 2.4G2 monoclonal antibody specifically reacts with an epitope on the extracellular domain of the mouse CD16 (Fc gamma III) and CD 32 (Fc gamma II). CD16 and CD32 are low affinity receptors for the IgG Fc domain and are expressed by B lymphocytes, NK cells, kupffer cells, mast cells, monocytes, macrophages, granulocytes, immature thymocytes, neutrophils, and some activated mature T cells. The 2.4G2 antibody blocks the binding of immunoglobulins to CD16 and CD32, and possibly to Fc gamma I receptor.
REFERENCES:
phenotype of dendritic cells purified from mouse thymus and spleen: investigation of the CD8 expression by a subpopulation of dendritic cells. The Journal of experimental medicine, 176(1), 47-58.