

Monoclonal Antibody to CD16/CD32 - Purified

Alternate names:	CD16a, FCG3, FCGR3A, Fc gamma receptor IIB, Fc-gamma RIII, Fc-gamma RIII-alpha, Fc-gamma RIIIa, Fc-gamma-RIIB, FcR mouse Seroblock, FcRII, FcRIII, FcRIIIa, Fcgr2, IGFR3, IgG Fc receptor III-2, Low affinity immunoglobulin gamma Fc region receptor III-A, Low affinity immunoglobulin gamma Fc region receptor III-B, Ly-17
Catalog No.:	AM00697PU-N
Quantity:	0.5 mg
Concentration:	0.5 mg/ml (OD280nm)
Background:	CD16 (FcgammaRIII) serves as a low affinity IgG receptor. Human CD16 is expressed in two forms CD16a and CD16b. CD16a is a transmembrane protein of monocytes, macrophages, NK cells and a subset of T cells. CD16b is a GPI-linked monomeric receptor expressed on neutrophils and is involved in their activation and induction of a proadhesive phenotype.
Host / Isotype:	Rat / IgG1
Recommended Isotype Controls:	SM25P, SM25PX
Clone:	YT1.24
Format:	State: Liquid Ig fraction Purification: Protein G chromatography Buffer System: 0.01 M PBS, pH 7.2 containing 2 mM EDTA and 1 % BSA, containing 0.09 % Sodium azide
Applications:	Flow cytometry (1 µg to stain 1.0 x 10 ⁶ cells). May be used for blocking non-specific binding due to protein-protein interactions with Fc receptors. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes the Fc-epsilonII and Fc-epsilonIII receptors. Species: Mouse. Other species not tested.
Storage:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 to -80°C for longer. Avoid repeated freezing and thawing. Centrifuge vial before opening. Shelf life: one year from despatch.
General Readings:	1. Titas, J.A. et al. (1982) J. Immunol. 133:556. 2. Rodewald, H. et al. (1992) Cell 69:139.