

CD16B mAb

Catalog # AP98660

Product Information

Application	IHC-P, IHC-F, IF
Reactivity	Human
Clonality	Monoclonal
Calculated MW	26 kDa
Physical State	Liquid
Immunogen	Recombinant human Fc gamma RIIIB / CD16b (NA2) Protein
Epitope Specificity	17-200/233
Isotype	IgG
Purity	affinity purified by Protein A

Important Note This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions The protein encoded by this gene is a low affinity receptor for the Fc region of gamma immunoglobulins (IgG). The encoded protein acts as a monomer and can bind either monomeric or aggregated IgG. This gene may function to capture immune complexes in the peripheral circulation. Several transcript variants encoding different isoforms have been found for this gene. A highly-similar gene encoding a related protein is also found on chromosome 1. [provided by RefSeq, Aug 2012]

Additional Information

Gene ID	2215
Other Names	CD16; CD16-I; CD16A; CD16b; FCG3; FCGR3; FCGR3A; FCR-10; FCRIII; FCRIIIb; FCG3B_HUMAN; FCGR3B; Fc-gamma RIII-beta (CD16-I Fc-gamma RIII Fc-gamma RIIIb FcRIII FcRIIIb); IgG Fc receptor III-1; IGFR3; Fc gamma receptor IIIb; Fc fragment of IgG, low affinity IIIb, receptor for (CD16); Fc fragment of IgG, low affinity IIIb, receptor (CD16b); Fc fragment of IgG receptor IIIb; human neutrophil antigen 1
Dilution	IHC-P=1:200-1000,IHC-F=1:200-1000,IF=1:200-1000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Name	CD16B mAb
Function	Receptor for the Fc region of immunoglobulins gamma. Low affinity receptor. Binds complexed or aggregated IgG and also monomeric IgG. Contrary to III-A, is not capable to mediate antibody-dependent cytotoxicity and phagocytosis. May serve as a trap for immune complexes in the peripheral circulation which does not activate neutrophils.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.