

Datasheet

FCGR3A monoclonal antibody, clone LNK16

Catalog Number: MAB0959

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against native FCGR3A.

Clone Name: LNK16

Immunogen: Native purified FCGR3A from normal human peripheral blood granulocytes.

Host: Mouse

Theoretical MW (kDa): 50-65, 48

Reactivity: Human, Primates

Applications: Flow Cyt, IP
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: This antibody reacts with CD16, a low affinity receptor for aggregated IgG (Fc gamma RIII antigen). CD16 exists in two different isoforms: CD16a (Fc gamma RIIIA; 50-65 KDa; expressed on NK-cells, monocytes and macrophages) and CD16b (Fc gamma RIIB; 48 KDa; mainly expressed on neutrophils).

Form: Liquid

Isotype: IgG1

Recommend Usage: The optimal working dilution should be determined by the end user.

Storage Buffer: In TBS, pH 8.0 (0.09% sodium azide)

Storage Instruction: Store at 4°C. Do not freeze. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 2214

Gene Symbol: FCGR3A

Gene Alias: CD16, CD16A, FCG3, FCGR3, FCGRIII, FCR-10, FCRIII, FCRIIIA, IGFR3

Gene Summary: This gene encodes a receptor for the Fc portion of immunoglobulin G, and it is involved in the removal of antigen-antibody complexes from the circulation, as well as other other antibody-dependent responses. This gene (FCGR3A) is highly similar to another nearby gene (FCGR3B) located on chromosome 1. The receptor encoded by this gene is expressed on natural killer (NK) cells as an integral membrane glycoprotein anchored through a transmembrane peptide, whereas FCGR3B is expressed on polymorphonuclear neutrophils (PMN) where the receptor is anchored through a phosphatidylinositol (PI) linkage. Mutations in this gene have been linked to susceptibility to recurrent viral infections, susceptibility to systemic lupus erythematosus, and alloimmune neonatal neutropenia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]