SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Recombinant Rabbit Anti-FCGR3A Monoclonal Antibody

Catalog Number: SLA0355M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	Mouse IgG1, k
Clonality:	Monoclonal
Clone No.:	16F1
GeneID:	2214
SWISS:	P08637
Target:	FCGR3A
Purification:	affinity purified by Protein G
Storage:	0.01M PBS (pH7.4). Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Applications:	Flow-Cyt (1µg/Test) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human
Predicted MW.:	27 kDa
Subcellular Location:	Membrane
Background:	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 responses, including antibody dependent cellular mediated cytotoxicity and antibody dependent enhancement of virus infections. 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 are associated with immunodeficiency 20, and 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

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	found for this gene. [provided by RefSeq, Aug 2020]

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