

Product Name: FCGR3A Mouse Monoclonal Antibody**Catalog #: AMM85932**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000
Molecular Weight	29.1kDa

Antigen Information

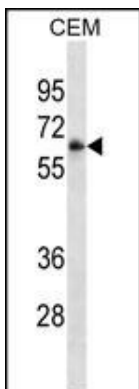
Gene Name	FCGR3A Low affinity immunoglobulin gamma Fc region receptor III-A, CD16a antigen, Fc-gamma
Alternative Names	RIII-alpha, Fc-gamma RIII, Fc-gamma RIIIa, FcRIII, FcRIIIa, FcR-10, IgG Fc receptor III-2, CD16a, FCGR3A, CD16A, FCG3, FCGR3, IGFR3
Gene ID	2214.0
SwissProt ID	P08637
Immunogen	This FCGR3A antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 60-88 amino acids from human FCGR3A.

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 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 alloimmuneneonatal neutropenia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Research Area

Image Data



FCGR3A Antibody western blot analysis in CEM cell line lysates (35µg/lane). This demonstrates the FCGR3A antibody detected the FCGR3A protein (arrow).