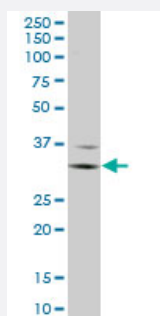


FCGR3A monoclonal antibody (M03), clone 2B11

Catalog # H00002214-M03

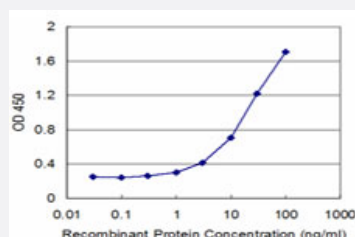
Size 100 ug

Applications



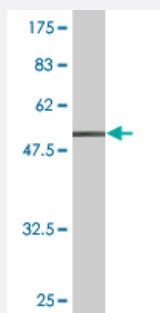
Western Blot (Cell lysate)

FCGR3A monoclonal antibody (M03), clone 2B11. Western Blot analysis of FCGR3A expression in Jurkat (Cat # L017V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FCGR3A is approximately 1ng/ml as a capture antibody.



Western Blot detection against Immunogen (51.92 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant FCGR3A.

Immunogen	FCGR3A (AAH17865.1, 17 a.a. ~ 254 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	GMRTEDLPKAVVFLEPQWYRVLEKDSVTLKCQGAYSPEDNSTQWFHNESLISSQASSYFIDAAT VDDSGEYRCQTNLSTLSDPVQLEVHIGWLLLQAPRWVFKEEDPIHLRCHSWKNTALHKVTYLQN GKGRKYFHHNSDFYIPKATLKDSGSYFCRGLVGSKNVSSETVNITITQGLAVSTISSFFPPGYQVSF CLVMVLLFAVDTGLYFSVKTNIRSSTRDWKDHKFKWRKDPQDK
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (51.92 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

FCGR3A monoclonal antibody (M03), clone 2B11. Western Blot analysis of FCGR3A expression in Jurkat (Cat # L017V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FCGR3A is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — FCGR3A

Entrez GeneID [2214](#)

GeneBank Accession# [BC017865](#)

Protein Accession#	AAH17865.1
Gene Name	FCGR3A
Gene Alias	CD16, CD16A, FCG3, FCGR3, FCGR11, FCR-10, FCR11, FCR11A, IGFR3
Gene Description	Fc fragment of IgG, low affinity IIIa, receptor (CD16a)
Omim ID	146740 152700
Gene Ontology	Hyperlink
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 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]
Other Designations	Fc fragment of IgG, low affinity III, receptor for (CD16) Fc fragment of IgG, low affinity IIIa, receptor for (CD16) Fc gamma receptor III-A Fc-gamma RIII-alpha Fc-gamma RIIIa Fc-gamma receptor III-2 (CD 16) Fc-gamma receptor IIIb (CD16) FcgammaRIIIA OTTH

Pathway

- [Fc gamma R-mediated phagocytosis](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Systemic lupus erythematosus](#)

Disease

- [Acute Disease](#)
- [Addison Disease](#)
- [Aggressive Periodontitis](#)
- [Agranulocytosis](#)
- [Alveolar Bone Loss](#)

- [Anemia](#)
- [Anti-Glomerular Basement Membrane Disease](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Autoimmune Diseases](#)
- [Behcet Syndrome](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Candidiasis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Cell Transformation](#)
- [Cerebrovascular Accident](#)
- [Chronic Disease](#)
- [Chronic Periodontitis](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Crohn Disease](#)
- [Cryoglobulinemia](#)
- [Cryptococcosis](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)

- [Edema](#)
- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Guillain-Barre Syndrome](#)
- [Head and Neck Neoplasms](#)
- [Hepatitis C](#)
- [Herpesviridae Infections](#)
- [Immunologic Deficiency Syndromes](#)
- [Infection](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Leukemia](#)
- [Lupus Erythematosus](#)
- [Lupus Nephritis](#)
- [Lymphoma](#)
- [Malaria](#)
- [Meningococcal Infections](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Myasthenia Gravis](#)
- [Myositis](#)
- [Nephritis](#)
- [Neuroblastoma](#)
- [Neutropenia](#)

- [Papillomavirus Infections](#)
- [Pemphigoid](#)
- [Periodontal Attachment Loss](#)
- [Periodontal Diseases](#)
- [Periodontal Pocket](#)
- [Periodontitis](#)
- [Pneumonia](#)
- [Poliomyelitis](#)
- [Postpoliomyelitis Syndrome](#)
- [Purpura](#)
- [Recurrence](#)
- [Respiratory Tract Infections](#)
- [Rhinitis](#)
- [Sarcoma](#)
- [Scleroderma](#)
- [Seizures](#)
- [Sepsis](#)
- [Stomach Neoplasms](#)
- [Temporal Arteritis](#)
- [Thrombocytopenia](#)
- [Thymoma](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)
- [Urinary Tract Infections](#)
- [Uterine Cervical Neoplasms](#)
- [Vasculitis](#)

- [Waldenstrom Macroglobulinemia](#)
- [Wegener Granulomatosis](#)