

FCGR3A monoclonal antibody, clone ICO-116

Catalog # MAB20963

Size 100 ug

Specification

Product Description Mouse monoclonal antibody raised against human FCGR3A.

Immunogen Human CD16 protein.

Host Mouse

Theoretical MW (kDa) 50-80

Reactivity Human

Form Liquid

Purification Protein A/G purification

Isotype IgG1, kappa

Recommend Usage
Flow Cytometry (0.5-1 ug/10⁶ cells in 0.1 mL)
Immunofluorescence (0.5-1 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer In 10 mM PBS (0.05% BSA, 0.05% sodium azide).

Storage Instruction Store at 2 to 8°C.

Note This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunofluorescence
- Flow Cytometry

Gene Info — FCGR3A

Entrez GeneID [2214](#)

Protein Accession# [P08637](#)

Gene Name FCGR3A

Gene Alias CD16, CD16A, FCG3, FCGR3, FCGRIII, FCR-10, FCRIII, FCRIIIA, 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 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](#)