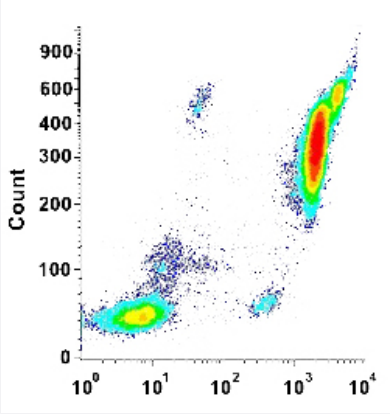
FCGR3A monoclonal antibody, clone 3G8 (PerCP)

Catalog # MAB13819 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of human peripheral blood lymphocytes with FCGR3A monoclonal antibody, clone 3G8 (PerCP) (Cat # MAB13819).

Specification

Product Description	Mouse monoclonal antibody raised against human FCGR3A.
Immunogen	Human polymorphonuclear leukocytes.
Host	Mouse
Theoretical MW (kDa)	50-65
Reactivity	Human
Form	Liquid
Conjugation	PerCP
Purification	Protein A/G purification
Purity	>90%
Isotype	IgG1

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Recommend Usage	Flow Cytometry (20 uL/10^6 cells) Functional Study Immunohistochemistry (Frozen sections) Immunoprecipitation The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (protein stabilizer, 0.09% sodium azide).
Storage Instruction	Store in the dark at 4°C. Avoid prolonged exposure to light.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Frozen sections)
- Immunoprecipitation
- Functional Study
- Flow Cytometry

  Flow cytometric analysis of human peripheral blood lymphocytes with FCGR3A monoclonal antibody, clone 3G8 (PerCP) (Cat # MAB13819).

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

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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

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- 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

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- 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

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- 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

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