FCGR1A monoclonal antibody, clone 10.1

Catalog # MAB5230 Size 200 ug

Specification

Product Description	Mouse monoclonal antibody raised against native FCGR1A.
Immunogen	Native purified FCGR1A from human monocytes.
Host	Mouse
Reactivity	Baboons, Human, Monkey
Specificity	This antibody reacts with the human CD64 cell surface antigen, a 75 kD glycoprotein expressed by monocytes. The antigen acts as a high affinity receptor for human IgG, and is also known as FcRI. Thi s antibody blocks binding of immunoglobulin to FcRI.
Form	Liquid
Isotype	IgG1
Recommend Usage	Flow Cytometry (10 ul to label 10^6 cells in 100 ul) The optimal working dilution should be determined by the end user.
Storage Buffer	In 200 mM Tris-HCl pH 7.4 (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Flow Cytometry

Gene Info — FCGR1A

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Entrez GeneID	2209
Gene Name	FCGR1A
Gene Alias	CD64, CD64A, FCRI, FLJ18345, IGFR1
Gene Description	Fc fragment of IgG, high affinity Ia, receptor (CD64)
Omim ID	146760
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein that plays an important role in the immune response. This protein is a high-affinity Fc-gamma receptor. The gene is one of three related gene family members located on chromosome 1. [provided by RefSeq
Other Designations	Fc fragment of IgG, high affinity Ia, receptor for (CD64)|Fc gamma receptor|Fc-gamma RI|Fc-gamma receptor I A1|IgG Fc receptor I|OTTHUMP00000013913

Pathway

- Fc gamma R-mediated phagocytosis
- Hematopoietic cell lineage
- Systemic lupus erythematosus

Disease

- Asthma
- Chronic Disease
- Colorectal Neoplasms
- Disease Progression
- Genetic Predisposition to Disease
- Hypersensitivity
- Periodontitis
- Rhinitis

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