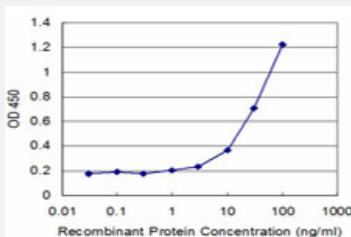


FCGR1A monoclonal antibody (M01), clone 1D3

Catalog # H00002209-M01

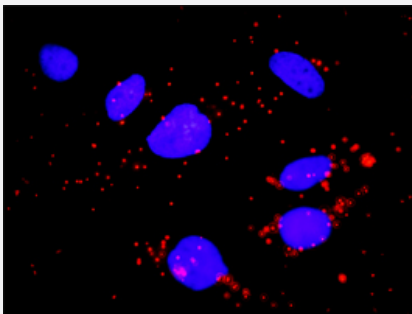
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FCGR1A is approximately 1ng/ml as a capture antibody.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between FCGR3A and FCGR1A. HeLa cells were stained with anti-FCGR3A rabbit purified polyclonal 1:1200 and anti-FCGR1A mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant FCGR1A.
Immunogen	FCGR1A (NP_000557, 16 a.a. ~ 115 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	QVDTTKAVITLQPPWVSVFQEETVTLHCEVLHLPGSSSTQWFLNGTATQTSTPSYRITSASVNDS GEYRCQRGLSGRSDPIQLEIHRGWLLQVSSRVFT
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa

Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FCGR1A is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- *In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between FCGR3A and FCGR1A. HeLa cells were stained with anti-FCGR3A rabbit purified polyclonal 1:1200 and anti-FCGR1A mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — FCGR1A

Entrez GeneID	2209
GeneBank Accession#	NM_000566
Protein Accession#	NP_000557
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 R Fc-gamma receptor 1A1 IgG Fc receptor OTTHUMP00000013913

Publication Reference

- [Selective Antibody Intervention of Toll-like Receptor 4 Activation through Fc \$\gamma\$ Receptor Tethering.](#)

Shang L, Daubeuf B, Triantafilou M, Olden R, Depis F, Raby AC, Herren S, Dos Santos A, Malinge P, Dunn-Siegrist I, Benmkaddem S, Geinoz A, Magistrelli G, Rousseau F, Buatois V, Salgado-Pires S, Reith W, Monteiro R, Pugin J, Leger O, Ferlin W, Kosco-Vilbois M, Triantafilou K, Elson G.

The Journal of Biological Chemistry 2014 May; 289(22):15309.

Application: FRET, IF, Human, THP-1 cells

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](#)