

FCAR monoclonal antibody, clone MIP8a

Catalog # MAB1661

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant FCAR.
Immunogen	Recombinant protein corresponding to extracellular reagon of human FCAR.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Recommend Usage	Flow Cytometry (1 ug/100 ul) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
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 — FCAR

Entrez GeneID	2204
Gene Name	FCAR
Gene Alias	CD89
Gene Description	Fc fragment of IgA, receptor for
Omim ID	147045
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the immunoglobulin gene superfamily and encodes a receptor for the Fc region of IgA. The receptor is a transmembrane glycoprotein present on the surface of myeloid lineage cells such as neutrophils, monocytes, macrophages, and eosinophils, where it mediates immunologic responses to pathogens. It interacts with IgA-opsonized targets and triggers several immunologic defense processes, including phagocytosis, antibody-dependent cell-mediated cytotoxicity, and stimulation of the release of inflammatory mediators. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]
Other Designations	Fc alpha receptor IgA Fc receptor OTTHUMP00000068692 OTTHUMP00000068696 OTTHUMP00000068697 OTTHUMP00000068698

Publication Reference

- [Intracellular pools of FcαR \(CD89\) in human neutrophils are localized in tertiary granules and secretory vesicles, and two FcαR isoforms are found in tertiary granules.](#)

Yin N, Peng M, Xing Y, Zhang W.

Journal of Leukocyte Biology 2007 Sep; 82(3):551.

Application: IF, WB-Ce, Human, Neutrophils

- [Neutrophil lactoferrin release induced by IgA immune complexes differed from that induced by cross-linking of fcalpha receptors \(FcαR\) with a monoclonal antibody, MIP8a.](#)

Zhang W, Bi B, Oldroyd RG, Lachmann PJ.

Clinical and Experimental Immunology 2000 Jul; 121(1):106.

Application: ELISA, Flow Cyt, WB-Ce, Human, Mouse, Neutrophils, U937 cells

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