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Anti-CD89 Antibody
Catalog # ABO10866

Specification

Anti-CD89 Antibody - Product Information

Application	**WB**
Primary Accession	P24071
Host	**Rabbit**
Reactivity	**Human**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Immunoglobulin alpha Fc receptor(FCAR) detection. Tested with WB in Human.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-CD89 Antibody - Additional Information

Gene ID 2204

Other Names
Immunoglobulin alpha Fc receptor, IgA Fc receptor, CD89, FCAR, CD89

Calculated MW
32265 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization
Isoform A.1: Cell membrane; Single-pass type I membrane protein.

Tissue Specificity
Isoform A.1, isoform A.2 and isoform A.3 are differentially expressed between blood and mucosal myeloid cells. Isoform A.1, isoform A.2 and isoform A.3 are expressed in monocytes. Isoform A.1 and isoform A.2 are expressed in alveolar macrophages; however only one isoform is expressed at alveolar macrophages surfaces. .

Protein Name
Immunoglobulin alpha Fc receptor(IgA Fc receptor)

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence in the middle of human CD89(84-101aa EFVIDHMDANKAGRYQCQ).

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage	**At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.**

Anti-CD89 Antibody - Protein Information

Name FCAR

Synonyms CD89

Function
Binds to the Fc region of immunoglobulins alpha. Mediates several functions including cytokine production.

Cellular Location
[Isoform A.1]: Cell membrane; Single-pass type I membrane protein [Isoform A.3]: Cell membrane; Single-pass type I membrane protein [Isoform B-delta-S2]: Secreted.

Tissue Location
Isoform A.1, isoform A.2 and isoform A.3 are differentially expressed between blood and mucosal myeloid cells Isoform A.1, isoform A.2 and isoform A.3 are expressed in monocytes Isoform A.1 and isoform A.2 are expressed in alveolar macrophages; however only one isoform is expressed at alveolar macrophages surfaces

Anti-CD89 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CD89 Antibody - Images

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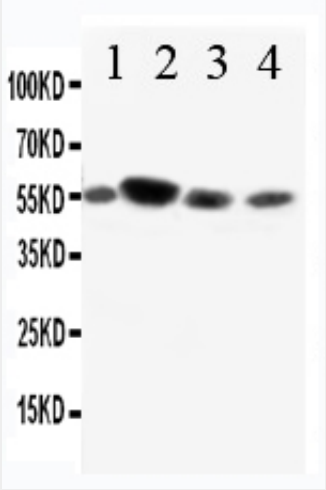

Anti-CD89 antibody, ABO10866, Western blottingLane 1: A549 Cell LysateLane 2: U87 Cell LysateLane 3: RAJI Cell LysateLane 4: JURKAT Cell Lysate

Anti-CD89 Antibody - Background

FCAR, Receptor for Fc fragment of IGA, is also known as CD89. Human Fc-alpha receptor(FCAR) is present on a number of cell types, including neutrophils, monocytes, macrophages, and eosinophils. FCAR interacts with aggregated IgAs, such as IgA coated on the surface of an invading microorganism, and mediates several immunologic defense processes such as phagocytosis, antibody-dependent cell-mediated cytotoxicity, and stimulation of the release of inflammatory mediators. FCAR is a glycoprotein of 50 to 100 kD, with diversity on different cell types. FCAR is mapped to 19q13.4. Human COS cells transfected with FCAR cDNA bind to IgA, but not IgG.