

**Anti-CD89 Antibody**  
Catalog # ABO10866**Specification**

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**Anti-CD89 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P24071</a>
Host	<b>Rabbit</b>
Reactivity	<b>Human</b>
Clonality	<b>Polyclonal</b>
Format	<b>Lyophilized</b>

**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<br>

**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 Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg NaN<sub>3</sub>.

**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

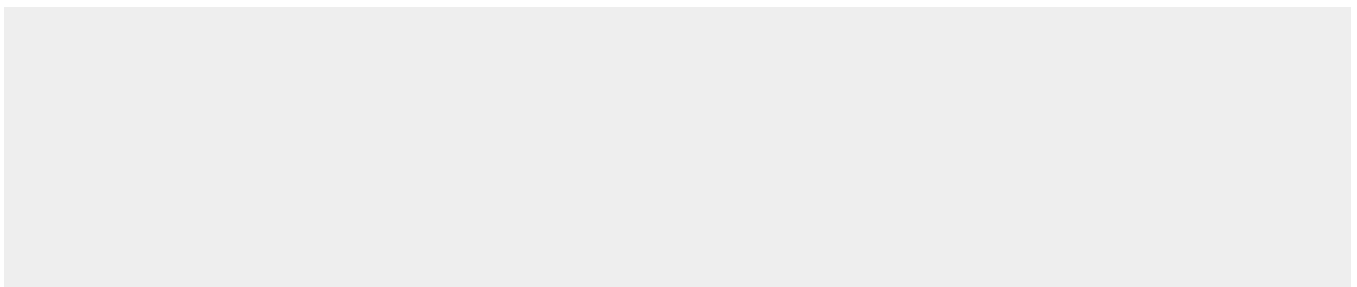
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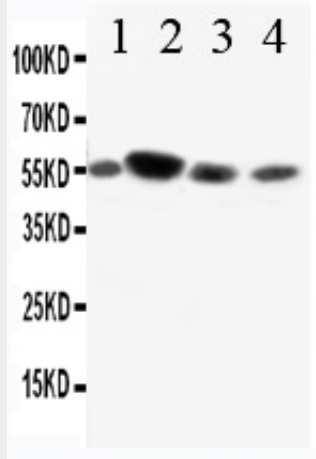
## Anti-CD89 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-CD89 Antibody - Images





Anti-CD89 antibody, ABO10866, Western blotting Lane 1: A549 Cell Lysate Lane 2: U87 Cell Lysate Lane 3: RAJI Cell Lysate Lane 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.