

# Anti-CD89 Antibody

Catalog # ABO10866

## Product Information

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|--------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB                                                                                                            |
| <b>Primary Accession</b> | <a href="#">P24071</a>                                                                                        |
| <b>Host</b>              | Rabbit                                                                                                        |
| <b>Reactivity</b>        | Human                                                                                                         |
| <b>Clonality</b>         | Polyclonal                                                                                                    |
| <b>Format</b>            | Lyophilized                                                                                                   |
| <b>Description</b>       | Rabbit IgG polyclonal antibody for Immunoglobulin alpha Fc receptor(FCAR) detection. Tested with WB in Human. |
| <b>Reconstitution</b>    | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                          |

## Additional Information

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| <b>Gene ID</b>                  | 2204                                                                                                                                                                                                                                                                                                                             |
| <b>Other Names</b>              | Immunoglobulin alpha Fc receptor, IgA Fc receptor, CD89, FCAR, CD89                                                                                                                                                                                                                                                              |
| <b>Calculated MW</b>            | 32265                                                                                                                                                                                                                                                                                                                            |
| <b>Application Details</b>      | Western blot, 0.1-0.5 µg/ml, Human                                                                                                                                                                                                                                                                                               |
| <b>Subcellular Localization</b> | Isoform A.1: Cell membrane; Single-pass type I membrane protein.                                                                                                                                                                                                                                                                 |
| <b>Tissue Specificity</b>       | 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. . |
| <b>Source</b>                   | Eukaryota                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Name</b>             | Immunoglobulin alpha Fc receptor(IgA Fc receptor)                                                                                                                                                                                                                                                                                |
| <b>Contents</b>                 | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.                                                                                                                                                                                                                                           |
| <b>Immunogen</b>                | A synthetic peptide corresponding to a sequence in the middle of human CD89(84-101aa EFVIDHMDANKAGRYQCQ).                                                                                                                                                                                                                        |
| <b>Purification</b>             | Immunogen affinity purified.                                                                                                                                                                                                                                                                                                     |
| <b>Cross Reactivity</b>         | No cross reactivity with other proteins                                                                                                                                                                                                                                                                                          |

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| <b>Storage</b> | At -20 °C for one year. After reconstitution, 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. |
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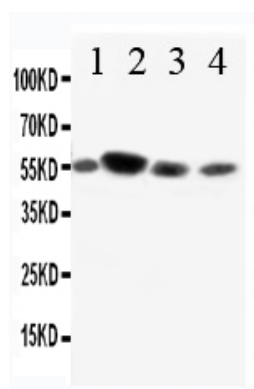
## Protein Information

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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | FCAR                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>          | CD89                                                                                                                                                                                                                                                                                                                        |
| <b>Function</b>          | Binds to the Fc region of immunoglobulins alpha. Mediates several functions including cytokine production.                                                                                                                                                                                                                  |
| <b>Cellular Location</b> | [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.                                                                                                                                                         |
| <b>Tissue Location</b>   | 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 |

## 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.

## 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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.