

# Recombinant Human IgA Fc receptor/CD89 Protein

Catalog No.: RP00113 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	2204	P24071

### Tags

C-hFc&amp;His

### Synonyms

FCAR;CD89;CTB-61M7.2;FcalphaRI

## Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

### Endotoxin

&lt; 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Background

This protein is a member of the immunoglobulin gene superfamily and 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.

## Basic Information

### Description

Recombinant Human IgA Fc receptor/CD89 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Gln22-Asn227) of human CD89/FCAR (Accession #NP\_001991.1) fused with an Fc, 6×His tag at the C-terminus.

### Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human IGHA1 (Catalog: RPT0023) at 5 μg/mL (100 μL/well) can bind Human CD89/FCAR (Catalog: RP00113) with a linear range of 0.01-7.4 ng/mL.

### Storage

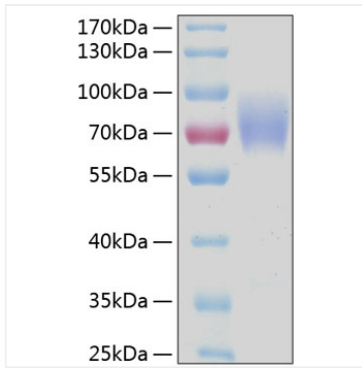
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

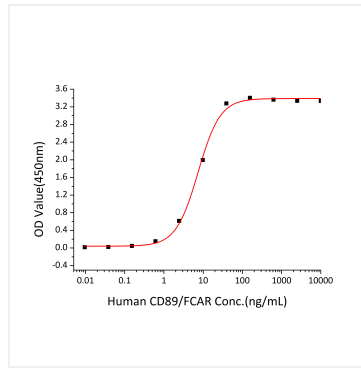
Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Human IgA Fc receptor/CD89 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 65-75 kDa.



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