

Recombinant Human FCAR

Cat. No. FCAR-27894TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human CD89 with N terminal proprietary tag, 37.73kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	110 amino acids
Description	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.
Molecular Weight	37.730kDa inclusive of tags
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

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Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	GDFPMPFISAKSSPVIPLDGSVKIQCAIREAYLTQLMII KNSTYREIGRRLKFWNETD PEFVIDHMDANKAGRYQCQYR IGHYRFRYSDTLELVVTGLYGKPFLSADRG
Sequence Similarities	Contains 2 Ig-like C2-type (immunoglobulin-like) domains.

GENE INFORMATION

Gene Name	FCAR Fc fragment of IgA, receptor for [Homo sapiens]
Official Symbol	FCAR
Synonyms	FCAR; Fc fragment of IgA, receptor for; immunoglobulin alpha Fc receptor; CD89;
Gene ID	2204
mRNA Refseq	NM_002000
Protein Refseq	NP_001991
MIM	147045
Uniprot ID	P24071

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Chromosome Location	19q13.42
Pathway	Phagosome, organism-specific biosystem; Phagosome, conserved biosystem; Staphylococcus aureus infection, organism-specific biosystem; Staphylococcus aureus infection, conserved biosystem;
Function	IgA binding; receptor activity;

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