9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

FCAR Human

Fc Fragment Of IgA Receptor Human Recombinant
RCP0838

Product Overview

Name	FCAR Human
Description	
Fc Fragment Of IgA Receptor Human Recombinant	
Accession (Primary)	P24071
Synonyms	
Fc Fragment Of IgA Receptor, Fc Fragment Of IgA, Receptor For, CD89, Immunoglobulin Alpha Fc Receptor, Fc Alpha Receptor, FCAR Variant 14, IgA Fc Receptor, CD89 Antigen, CTB-61M7.2, FcalphaRI, Immunoglobulin alpha Fc receptor, IgA Fc receptor.	
Introduction	
Fc Fragment Of IgA Receptor, also known as FCAR, is part of the multichain immune recognition receptor family which is the most abundant immunoglobulin in mucosal areas however it is only the second most common antibody isotype in serum. FCAR participates in both pro-and anti-inflammatory responses depending on the state of IgA bound. FCAR is also a vital Fc receptor for neutrophil killing of tumor cells. Once FCAR expressing neutrophils interact with IgA-opsonized tumor cells, the neutrophils not only show antibody-dependent cell-mediated cytotoxicity, but also release the cytokines TNF-α and IL-1β which cause increased neutrophil migration to the site.	
Source	
Sf9, Baculovirus cells.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
FCAR protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
ADP QEGDFPM PFISAKSSPV IPLDGSVKIQ CQAIREAYLT QLMIIKNSTY REIGRRLKFW NETDPEFVID	

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HMDANKAGRY QCQYRIGHYR FRYSDTLELV VTGLYGKPFL SADRGLVLMP GENISLTCSS AHIPFDRFSL AKEGELSLPQ HQSGEHPANF SLGPVDLNVS GIYRCYGWYN RSPYLWSFPS NALELVVTDS IHQDYTTQN H HHHHH.

Precautions

FCAR Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P24071)