# NKMAXBIO We support you, we believe in your research

## Recombinant human CD89/FCAR protein

Catalog Number: ATGP3660

### **PRODUCT INFORMATION**

## **Expression system**

Baculovirus

#### **Domain**

22-227aa

#### UniProt No.

P24071

#### **NCBI Accession No.**

NP 001991

### **Alternative Names**

CD89, CTB-61M7.2, Fc alpha receptor, Fc fragment of IgA receptor, FcalphaR, FcalphaRI, FCAR, IgA Fc receptor, Immunoglobulin alpha Fc receptor isoform

#### **PRODUCT SPECIFICATION**

## **Molecular Weight**

24.5 kDa (215aa)

#### **Concentration**

0.25mg/ml (determined by absorbance at 280nm)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

#### **Purity**

> 85% by SDS-PAGE

#### **Endotoxin level**

< 1 EU per 1ug of protein (determined by LAL method)

#### Tag

His-Tag

## **Application**

SDS-PAGE

## **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## **BACKGROUND**

## Description

FCAR, also known as immunoglobulin alpha Fc receptor isoform, is a member of the multichain immune recognition receptor family which is the most abundant immunoglobulin in mucosal areas but is only the second most common antibody isotype in serum. It plays a role in both pro- and anti-inflammatory responses depending



# NKMAXBio We support you, we believe in your research

## Recombinant human CD89/FCAR protein

Catalog Number: ATGP3660

on the state of IgA bound. It is also an important Fc receptor for neutrophil killing of tumor cells. When FCAR expressing neutrophils come into contact with IgA-opsonized tumor cells, the neutrophils not only perform antibody-dependent cell-mediated cytotoxicity, but also release the cytokines TNF-alpha and IL-1beta which cause increased neutrophil migration to the site. Recombinant human FCAR, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

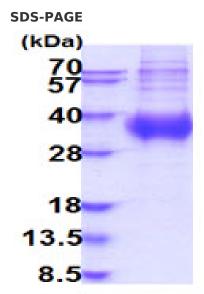
#### **Amino acid Sequence**

ADPQEGDFPM PFISAKSSPV IPLDGSVKIQ CQAIREAYLT QLMIIKNSTY REIGRRLKFW NETDPEFVID HMDANKAGRY QCQYRIGHYR FRYSDTLELV VTGLYGKPFL SADRGLVLMP GENISLTCSS AHIPFDRFSL AKEGELSLPQ HQSGEHPANF SLGPVDLNVS GIYRCYGWYN RSPYLWSFPS NALELVVTDS IHQDYTTQNH HHHHH

#### **General References**

Maliszewski, C. R., et al. (1990) J. Exp. Med. 172:1665-1672. Kanamaru, Y., et al. (2007) Blood. 109:203-211.

## **DATA**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)