9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-13226: FCAR Human

Alternative Name :	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,Â CTB-61M7.2, FcalphaRI, Immunoglobulin alpha Fc receptor, IgA Fc receptor.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
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-Alpha and IL-1Beta which cause increased neutrophil migration to the site.
FCAR produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 215 amino acids (22-227a.a.) and having a molecular mass of 24.5kDa. (Molecular size on SDS-PAGE will appear at approximately 28-40kDa).FCAR is expressed with a 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	FCAR protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	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.
Amino Acid :	ADPQEGDFPM PFISAKSSPV IPLDGSVKIQ CQAIREAYLT QLMIIKNSTY REIGRRLKFW NETDPEFVID HMDANKAGRY QCQYRIGHYR FRYSDTLELV VTGLYGKPFL SADRGLVLMP GENISLTCSS AHIPFDRFSL AKEGELSLPQ HQSGEHPANF SLGPVDLNVS GIYRCYGWYN RSPYLWSFPS NALELVVTDS IHQDYTTQNH HHHHH.