

32-7423: Recombinant Human Immunoglobulin a Fc Receptor/FCAR/CD89 (C-6His)

Gene : FCAR
Gene ID : 2204
Uniprot ID : P24071

Description

Source: Human Cells.
MW :24.52kD.

Recombinant Human CD89 is produced by our Mammalian expression system and the target gene encoding Gln22-Asn227 is expressed with a 6His tag at the C-terminus. Immunoglobulin a Fc Receptor (IgA Fc Receptor) is a member of the immunoglobulin gene superfamily. It 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 through the charged arginin residue within its transmembrane domain. IgA Fc Receptor binds both IgA1 and IgA2 with similar affinity. The site of interaction between FCAR and IgA was identified in the first extracellular domain of FCAR and the C2/C3 junction of IgA. 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. FCAR is also expressed on Kupffer cells in the liver, where it was suggested to provide a second line of defense.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : QEGDFPMPFISAKSSPVIPLDGSVKIQCAIREAYLTQLMIKNSTYREIGRRLKFWNETDPEFVIDHMDANKAGR
YQCQYRIGHYRFRYSDTLELVVTGLYGKPFLSADRGVLMPGENISLTCSSAHIPFDRFSLAKEGELSLPQHQS
G
EHPANFSLGPVDLNVSGIYRCYGWYNRSPYLWSFSPNALELVVTDSTHSDYTTQNVDDHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.