

Human Immunoglobulin Alpha Fc Receptor, FCAR ELISA Kit | FCAR elisa kit

Human Immunoglobulin Alpha Fc Receptor, FCAR Primacu ELISA Kit

CATALOG #
AAA124388

REACTIVITY
Human

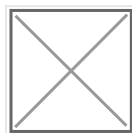
PRODUCT SYNONYMS

Immunoglobulin Alpha Fc Receptor; FCAR; Human Immunoglobulin Alpha Fc Receptor; FCAR Primacu ELISA Kit; Immunoglobulin alpha Fc receptor; CD89; FCAR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	7.81-500pg/mL
Sensitivity	2.43pg/mL
Standard Solution	5ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for FCAR elisa kit

FCAR, also called FcalphaRI or CD89, is a type I transmembrane receptor for Fc region of IgA which is the most abundant immunoglobulin in mucosal areas but is only the second most common antibody isotype in serum. This receptor is present on the surface of myeloid lineage cells such as neutrophils, monocytes, macrophages, and eosinophils, especially phagocytes located in mucosal areas. Upon ligand IgA binding, FcalphaRI associates with the FcR gamma signaling molecule bearing the immunoreceptor tyrosine-based activation motif (ITAM) through a unique charge-based mechanism and triggers multiple cell-mediated immune responses. It has been reported that Fc RI is a dual-function receptor that can mediate both inflammatory and anti-inflammatory responses depending on the type of interaction with its ligand. Sustained aggregation of FCAR results in activation of target-cell functions such as antigen presentation and cytokine release. In contrast, Monomeric targeting with serum IgA or with a variety of anti-FcalphaRI Fab fragments triggers an inhibitory response and additionally induces apoptosis. FcalphaRI thus play an fundamental role in preventing tumor development and growth, as well as in controlling inflammation.

Product Categories/Family for FCAR elisa kit

Primacu ELISA Kit; Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	119860
NCBI GeneID	2204
UniProt Accession #	P24071; Q13603; Q13604; Q15727; Q15728; Q1AJL7; Q1AJL8; Q1AJL9; Q53X38; Q53X39; Q92587; Q92588
Molecular Weight	28,343 Da
NCBI Official Full Name	Immunoglobulin alpha Fc receptor
NCBI Official Synonym Full Names	Fc fragment of IgA receptor
NCBI Official Symbol	FCAR
NCBI Official Synonym Symbols	CD89; FcalphaRI; CTB-61M7.2
NCBI Protein Information	immunoglobulin alpha Fc receptor
UniProt Protein Name	Immunoglobulin alpha Fc receptor
UniProt Gene Name	FCAR
UniProt Synonym Gene Names	CD89; IgA Fc receptor

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/immunoglobulin-alpha-fc-receptor-fcar/124388>