Human Receptor II for the Fc region of immunoglobulin E ELISA Kit | FceRII/CD23 elisa kit

Human Receptor II for the Fc region of immunoglobulin E ELISA Kit

CATALOG #	REACTIVITY
AAA96797	**Human**

PRODUCT SYNONYMS

Receptor II for the Fc region of immunoglobulin E; Human Receptor II for the Fc region of immunoglobulin E ELISA Kit; FceRII/CD23 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FceRII/CD23 elisa kit	Intended Uses: This FceRII ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human FceRII. Principle of the Assay: FceRII ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-FceRII antibody and an FceRII-HRP conjugate. The assay sample and buffer are incubated together with FceRII-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the FceRII concentration since FceRII from samples and FceRII-HRP conjugate compete for the anti-FceRII antibody binding site. Since the number of sites is limited, as more sites are occupied by FceRII from the sample, fewer sites are left to bind FceRII-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FceRII concentration in each sample is interpolated from this standard curve.
Product Categories/Family for FceRII/CD23 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	334085205

NCBI GeneID	2208
NCBI Accession #	NP_001193948.2
NCBI GenBank Nucleotide #	NM_001207019.2
Molecular Weight	36,469 Da
NCBI Official Full Name	low affinity immunoglobulin epsilon Fc receptor isoform b
NCBI Official Synonym Full Names	Fc fragment of IgE, low affinity II, receptor for (CD23)
NCBI Official Symbol	FCER2
NCBI Official Synonym Symbols	CD23; FCE2; CD23A; IGEBF; CLEC4J; BLAST-2
NCBI Protein Information	low affinity immunoglobulin epsilon Fc receptor; CD23 antigen; fc-epsilon-RII; lymphocyte IgE receptor; immunoglobulin E-binding factor; C-type lectin domain family 4, member J
UniProt Protein Name	Low affinity immunoglobulin epsilon Fc receptor
UniProt Gene Name	**FCER2**
UniProt Synonym Gene Names	CD23A; CLEC4J; FCE2; IGEBF
UniProt Entry Name	FCER2_HUMAN

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/fcerii-cd23-human-elisa-kits/receptor-ii-for-the-fc-region-of-immunoglobulin-e/96797