

Mouse CD23 ELISA Kit | FCER2 elisa kit

Mouse CD23 ELISA Kit

CATALOG #
AAA263118

REACTIVITY
Mouse

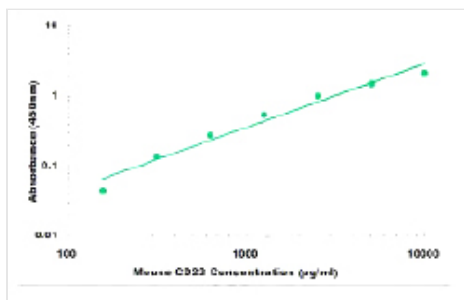
PRODUCT SYNONYMS

CD23; Mouse CD23 ELISA Kit; CD23A; CLEC4J; FCE2; IGEBF; Low affinity immunoglobulin epsilon Fc receptor; BLAST-2; C-type lectin domain family 4 member J; Fc-epsilon-RII; Immunoglobulin E-binding factor; Lymphocyte IgE receptor; FCER2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse CD23 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse CD23 proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	330
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<15 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FCER2 elisa kit	Principle of the Assay: The Mouse CD23 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse CD23 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Mouse CD23 coated on a 96-well plate. Standards and samples are pipetted into the wells and CD23 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse CD23 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CD23 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background: CD23, also known as Fc epsilon RII, or FcepsilonRII, is the "low-affinity" receptor for IgE, an antibody isotype involved in allergy and resistance to parasites, and is important in regulation of IgE levels. There are two forms of CD23: CD23a and CD23b. CD23a is present on follicular B cells, whereas CD23b requires IL-4 to be expressed on T-cells, monocytes, Langerhans cells, eosinophils, and macrophages. As part of a mapping of multiple probes to specific bands on chromosome 19 by fluorescence in situ hybridization, the CD23 gene was assigned to 19p13.3. And CD23 (FCE2) is a key molecule for B-cell activation and growth. It is the low-affinity receptor for IgE. The truncated molecule can be secreted, then functioning as a potent mitogenic growth factor.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	359339166
NCBI GeneID	14128
NCBI Accession #	NP_001240666.1
NCBI GenBank Nucleotide #	NM_001253737.1
UniProt Accession #	P20693; Q61556; Q61557
Molecular Weight	37,487 Da
NCBI Official Full Name	low affinity immunoglobulin epsilon Fc receptor isoform B
NCBI Official Synonym Full Names	Fc receptor, IgE, low affinity II, alpha polypeptide
NCBI Official Symbol	Fcer2a
NCBI Official Synonym Symbols	CD23; Fce2; Fcer2; Ly-42
NCBI Protein Information	low affinity immunoglobulin epsilon Fc receptor
UniProt Protein Name	Low affinity immunoglobulin epsilon Fc receptor
UniProt Gene Name	Fcer2
UniProt Synonym Gene Names	Fcer2a
UniProt Entry Name	FCER2_MOUSE

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.