

## Human CD23/FCER2 ELISA Kit | FCER2 elisa kit

Human CD23/FCER2 PicoKine ELISA Kit

CATALOG #  
**AAA45584**

REACTIVITY  
**Human**

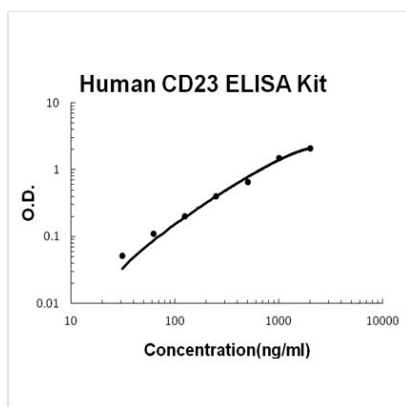
### PRODUCT SYNONYMS

CD23/FCER2; Human CD23/FCER2 PicoKine ELISA Kit; Low affinity immunoglobulin epsilon Fc receptor; Fc fragment of IgE; low affinity II; receptor for (CD23); BLAST 2; BLAST-2; C-type lectin domain family 4 member J; CD23; CD23 antigen; CD23A; CLEC4J; Fc fragment of IgE low affinity II receptor for (CD23); Fc-epsilon-RII; FCE2; Fcer2; FCER2\_HUMAN; IGEBF; Immunoglobulin E-binding factor; Low affinity immunoglobulin epsilon Fc receptor soluble form; Lymphocyte IgE receptor; FCER2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                 |
| Specificity             | Natural and recombinant human CD23                                                                                                                    |
| Sequence Length         | 320                                                                                                                                                   |
| Samples                 | Cell culture supernates, serum, plasma (heparin, EDTA) and urine                                                                                      |
| Assay Type              | Sandwich                                                                                                                                              |
| Detection Range         | 31.2pg/ml-2000pg/ml                                                                                                                                   |
| Sensitivity             | < 10pg/ml                                                                                                                                             |
| Intra-assay Precision   | Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.      |
| Inter-assay Precision   | Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. |
| Preparation and Storage | Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)                            |

### IMAGES



Standard Curve (Sample)

Human CD23/FCER2 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| Related Product Information for FCER2 elisa kit | <p><b>Principle of the assay:</b> human CD23 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for CD23 has been precoated onto 96-well plates. Standards(NSO, D48-S321) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CD23 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human CD23 amount of sample captured in plate.</p> <p><b>Background:</b> 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 FCE2 gene was assigned to 19p13.3. 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.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GeneID                      | 2208                                                                                                                                                                             |
| UniProt Accession #              | K3W4U1; P06734                                                                                                                                                                   |
| Molecular Weight                 | 36,299 Da                                                                                                                                                                        |
| 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 membrane-bound form                                                                                                              |
| UniProt Gene Name                | FCER2                                                                                                                                                                            |
| UniProt Entry Name               | K3W4U1_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.