

Datasheet for ABIN6720323
FCER2 ELISA Kit[Go to Product page](#)

1 Image

Overview

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| Quantity: | 1 kit |
| Target: | FCER2 |
| Reactivity: | Human |
| Method Type: | Sandwich ELISA |
| Detection Range: | 31.2 pg/mL - 2000 pg/mL |
| Minimum Detection Limit: | 31.2 pg/mL |
| Application: | ELISA |

Product Details

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| Purpose: | Sandwich ELISA for Quantitative Detection of Antigen |
| Sample Type: | Cell Culture Supernatant, Plasma (EDTA - heparin), Serum, Urine |
| Analytical Method: | Quantitative |
| Detection Method: | Colorimetric |

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| Characteristics: | <p>Synonyms: 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, Low affinity immunoglobulin epsilon Fc receptor soluble form, Lymphocyte IgE receptor</p> <p>Background: CD23, also known as Fc epsilon RII, or FcεRII, 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</p> |
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Product Details

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.

Gene Name: FCER2

Production: Natural and recombinant human CD23. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: D48-S321

Target Details

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| Target: | FCER2 |
| Alternative Name: | CD23 - FCER2 (FCER2 Products) |
| Gene ID: | 2208 |
| NCBI Accession: | NP_001193948 |
| UniProt: | K3W4U1 |
| Pathways: | Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process |

Application Details

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| Application Notes: | <p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL human CD23 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum, plasma(heparin, EDTA) or urine to each empty well. It is recommended that each human CD23 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 31.2pg/mL-2000pg/mL</p> |
| Sample Volume: | 100 µL |
| Plate: | Pre-coated |
| Restrictions: | For Research Use only |

Handling

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| Storage: | RT,4 °C,-20 °C |
| Storage Comment: | Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing. |

Images

