

Human soluble CD5 ELISA Kit | CD5 elisa kit

Human soluble CD5 PicoKine ELISA Kit

CATALOG #
AAA45843

REACTIVITY
Human

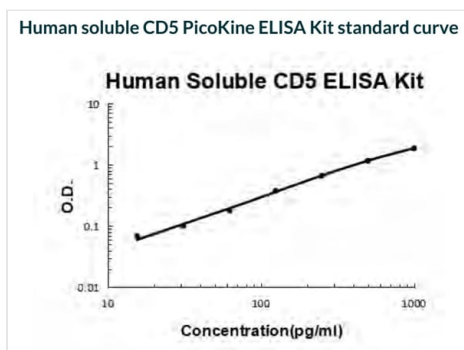
PRODUCT SYNONYMS

soluble CD5; Human soluble CD5 PicoKine ELISA Kit; T-cell surface glycoprotein CD5; CD5 molecule; CD 5; CD5; CD5 antigen (p56 62); CD5 antigen; CD5_HUMAN; LEU 1; LEU1; Ly12; LyA; Lymphocyte Antigen CD5; Lymphocyte antigen T1/Leu 1; Lymphocyte antigen T1/Leu-1; Lymphocyte glycoprotein T1/Leu1; OTTHUMP00000236973; p56 62; T cell surface glycoprotein CD5; T1; CD5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CD5
Sequence Length	495
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	15.6 pg/ml - 1,000 pg/ml
Sensitivity	<10 pg/ml
Intra-assay Precision	Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	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)

ADDITIONAL INFORMATION

Related Product Information for CD5 elisa kit	Background: CD5, also known as T1 or LEU1, is a cluster of differentiation found on a subset of IgM-secreting B cells called B-1 cells, and also on T cells. It is mapped to 11q12.2. Although CD5 can be found on both T cells and B cells, T cells express higher levels of CD5 than B cells. CD5 was used as a Tcell marker until monoclonal antibodies against CD3 were developed. CD5 is upregulated on T cells upon strong activation. In the thymus, there is a correlation with CD5 expression and strength of the interaction of the T cell towards self-peptides. Nevertheless, CD5 serves to mitigate activating signals from the BCR so that the B-1 cells can only be activated by very strong stimuli (such as bacterial proteins) and not by normal tissue proteins. Principle of the Assay: The Picokine™ Human CD5 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human CD5 with a 96-well strip plate that is pre-coated with antibody specific for CD5. The detection antibody is a biotinylated antibody specific for CD5. The capture antibody is polyclonal antibody from goat and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human CD5 with immunogen: Expression system for standard: NS0; Immunogen sequence: R25-N371. The kit is analytically validated with ready-to-use reagents. To measure Human CD5, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human CD5 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human CD5 in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	313104090
NCBI GeneID	921
UniProt Accession #	P06127; A0N0P4; A8K9I3
Molecular Weight	54,578 Da
NCBI Official Full Name	T-cell surface glycoprotein CD5
NCBI Official Synonym Full Names	CD5 molecule
NCBI Official Symbol	CD5
NCBI Official Synonym Symbols	T1; LEU1
NCBI Protein Information	T-cell surface glycoprotein CD5; CD5 antigen (p56-62); lymphocyte antigen T1/Leu-1
UniProt Protein Name	T-cell surface glycoprotein CD5
UniProt Gene Name	CD5
UniProt Synonym Gene Names	LEU1
UniProt Entry Name	CD5_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/human-elisa-kits/soluble-cd5/45843>