

Human soluble CD6 ELISA Kit | CD6 elisa kit

Human soluble CD6 PicoKine ELISA Kit

CATALOG #
AAA45964

REACTIVITY
Human

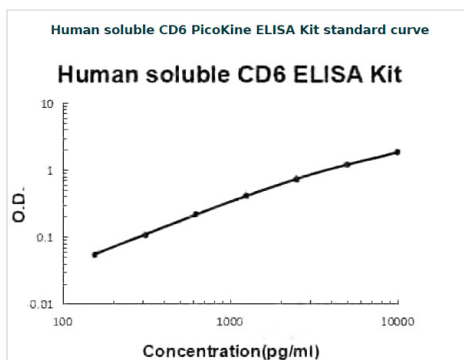
PRODUCT SYNONYMS

soluble CD6; Human soluble CD6 PicoKine ELISA Kit; T-cell differentiation antigen CD6; CD6 molecule; CD_antigen; CD6; CD6 antigen Tp120; CD6_HUMAN; FLJ44171; OX52; T cell differentiation antigen CD6; T12; TP120; CD6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CD6
Sequence Length	668
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, edta)
Detection Range	156 pg/ml - 10,000 pg/ml
Sensitivity	<10 pg/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 across 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)

ADDITIONAL INFORMATION

Related Product Information for CD6 elisa kit	Principle of the Assay: The Picokine™ Human CD6 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human CD6 with a 96-well strip plate that is pre-coated with antibody specific for CD6. The detection antibody is a biotinylated antibody specific for CD6. The capture antibody is polyclonal antibody from goat and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human CD6 with immunogen: Expression system for standard: NS0; Immunogen sequence: H18-E398. The kit is analytically validated with ready-to-use reagents. To measure Human CD6, 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 CD6 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 CD6 in the sample. Background/Introduction: CD6 (Cluster of Differentiation 6) is a human protein encoded by the CD6 gene. It is mapped to 11q12.2. CD6 is expressed predominantly in peripheral T cells and mature medullary thymocytes. This gene encodes a protein found on the outer membrane of T-lymphocytes as well as some other immune cells. The encoded protein contains three scavenger receptor cysteine-rich (SRCR) domains and a binding site for an activated leukocyte cell adhesion molecule. The gene product is important for continuation of T cell activation. What's more, this gene may be associated with susceptibility to multiple sclerosis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	281185506
NCBI GeneID	923
UniProt Accession #	P30203; Q9UMF2; Q9Y4K7; Q9Y4K8; Q9Y4K9; Q9Y4L0; A4KAD4; A4KAD5
Molecular Weight	60,572 Da
NCBI Official Full Name	T-cell differentiation antigen CD6
NCBI Official Synonym Full Names	CD6 molecule
NCBI Official Symbol	CD6
NCBI Official Synonym Symbols	TP120
NCBI Protein Information	T-cell differentiation antigen CD6; T12; CD6 antigen
UniProt Protein Name	T-cell differentiation antigen CD6
UniProt Gene Name	CD6
UniProt Entry Name	CD6_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.