

Human CD58 ELISA Kit | CD58 elisa kit

Human CD58 ELISA Kit PicoKine

CATALOG # AAA126698	REACTIVITY Human	APPLICATIONS ELISA
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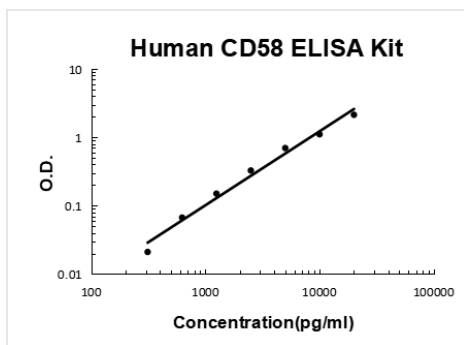
PRODUCT SYNONYMS

CD58; Human CD58 ELISA Kit PicoKine; CD58 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CD58
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA, citrate)
Detection Range	312 pg/ml - 20,000 pg/ml
Sensitivity	<20 pg/ml
Applicable Applications for CD58 elisa kit	ELISA
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 (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Human CD58 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CD58 elisa kit	Background: CD58, or lymphocyte function-associated antigen 3 (LFA-3), is a cell adhesion molecule expressed on Antigen Presenting Cells (APC), particularly macrophages. This gene encodes a member of the immunoglobulin superfamily. The encoded protein is a ligand of the T lymphocyte CD2 protein, and functions in adhesion and activation of T lymphocytes. The protein is localized to the plasma membrane. Alternatively spliced transcript variants have been described. Principle of the Assay: The Picokine™ Human CD58 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human CD58 with a 96-well strip plate that is pre-coated with antibody specific for CD58. The detection antibody is a biotinylated antibody specific for CD58. The capture antibody is a monoclonal antibody from mouse and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Human CD58 protein as standards. To measure Human CD58, 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 CD58 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 CD58 in the sample.
Product Categories/Family for CD58 elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	221316575
NCBI GeneID	965
NCBI Accession #	NP_001138294.1
NCBI GenBank Nucleotide #	NM_001144822.1
UniProt Accession #	P19256; Q5U053; Q6IB65; Q96KI9; A8K7G5
Molecular Weight	28,147 Da
NCBI Official Full Name	lymphocyte function-associated antigen 3 isoform 2
NCBI Official Synonym Full Names	CD58 molecule
NCBI Official Symbol	CD58
NCBI Official Synonym Symbols	ag3; LFA3; LFA-3
NCBI Protein Information	lymphocyte function-associated antigen 3; surface glycoprotein LFA-3; CD58 antigen, (lymphocyte function-associated antigen 3)
UniProt Protein Name	Lymphocyte function-associated antigen 3
UniProt Gene Name	CD58
UniProt Synonym Gene Names	LFA3; Ag3
UniProt Entry Name	LFA3_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.