

Human CD180 antigen (CD180) ELISA Kit | CD180 elisa kit

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CATALOG #
AAA244429

REACTIVITY
Human

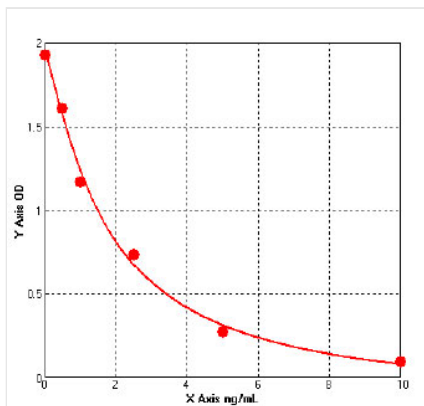
PRODUCT SYNONYMS

CD180 antigen (CD180); Human CD180 antigen (CD180) ELISA Kit; CD180 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CD180. No significant cross-reactivity or interference between CD180 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CD180 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD180 elisa kit	Intended Uses: This CD180 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CD180. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CD180 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CD180 antibody and an CD180-HRP conjugate. The assay sample and buffer are incubated together with CD180-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CD180 concentration since CD180 from samples and CD180-HRP conjugate compete for the anti-CD180 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD180 from the sample, fewer sites are left to bind CD180-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD180 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CD180 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	167555127
NCBI GeneID	4064
NCBI Accession #	NP_005573.2
NCBI GenBank Nucleotide #	NM_005582.2
Molecular Weight	74,179 Da
NCBI Official Full Name	CD180 antigen
NCBI Official Synonym Full Names	CD180 molecule
NCBI Official Symbol	CD180
NCBI Official Synonym Symbols	LY64; Ly78; RP105
NCBI Protein Information	CD180 antigen; lymphocyte antigen 64; radioprotective 105 kDa protein; lymphocyte antigen-64, radioprotective, 105kDa
UniProt Protein Name	CD180 antigen
UniProt Gene Name	CD180
UniProt Synonym Gene Names	LY64; RP105
UniProt Entry Name	CD180_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.