

Human Cluster of Differentiation 151 ELISA Kit | CD151 elisa kit

Human Cluster of Differentiation 151 ELISA Kit

CATALOG #
AAA85982

REACTIVITY
Human

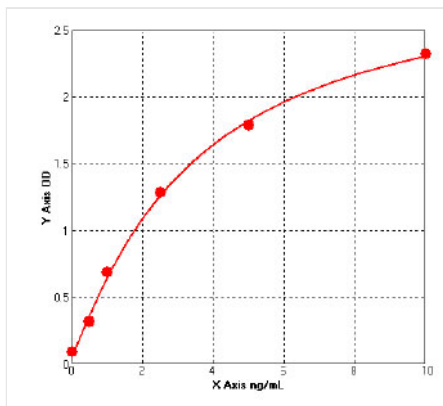
PRODUCT SYNONYMS

Cluster of Differentiation 151; Human Cluster of Differentiation 151 ELISA Kit; CD151 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CD151. No significant cross-reactivity or interference between CD151 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CD151 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 or Sandwich
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 CD151 elisa kit	Intended Uses: This CD151 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CD151. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CD151 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for CD151. Standards or samples are then added to the microtiter plate wells and CD151 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of CD151 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for CD151 are added to each well to "sandwich" the CD151 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain CD151 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD151 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CD151 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	21237751
NCBI GeneID	977
NCBI Accession #	NP_620599.1
NCBI GenBank Nucleotide #	NM_139030.3
Molecular Weight	28,295 Da
NCBI Official Full Name	CD151 antigen
NCBI Official Synonym Full Names	CD151 molecule (Raph blood group)
NCBI Official Symbol	CD151
NCBI Official Synonym Symbols	GP27; MER2; RAPH; SFA1; PETA-3; TSPAN24
NCBI Protein Information	CD151 antigen; tspan-24; tetraspanin-24; membrane glycoprotein SFA-1; CD151 antigen (Raph blood group); hemidesmosomal tetraspanin CD151; platelet surface glycoprotein gp27; platelet-endothelial tetraspan antigen 3; platelet-endothelial cell tetraspan antigen 3
UniProt Protein Name	CD151 antigen
UniProt Gene Name	CD151
UniProt Synonym Gene Names	TSPAN24; PETA-3; Tspan-24
UniProt Entry Name	CD151_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/cd151-human-elisa-kits/cluster-of-differentiation-151/85982>