Rat CD81 antigen (CD81) ELISA Kit | CD81 elisa kit

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CATALOG #	REACTIVITY
AAA27087	**Rat**

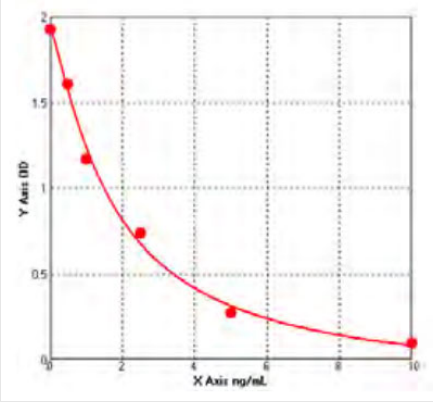
PRODUCT SYNONYMS

CD81 antigen (CD81); Rat CD81 antigen (CD81) ELISA Kit; CD81 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CD81. No significant cross-reactivity or interference between CD81 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CD81 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 CD81 elisa kit	Principle of the Assay: CD81 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CD81 antibody and an CD81-HRP conjugate. The assay sample and buffer are incubated together with CD81-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 CD81 concentration since CD81 from samples and CD81-HRP conjugate compete for the anti-CD81 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD81 from the sample, fewer sites are left to bind CD81-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD81 concentration in each sample is interpolated from this standard curve. Intended Uses: This CD81 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CD81. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for CD81 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	6978639
NCBI GeneID	25621
NCBI Accession #	NP_037219.1
NCBI GenBank Nucleotide #	NM_013087.1
Molecular Weight	25,889 Da
NCBI Official Full Name	CD81 antigen
NCBI Official Synonym Full Names	Cd81 molecule
NCBI Official Symbol	Cd81
NCBI Official Synonym Symbols	Tapa1
NCBI Protein Information	CD81 antigen; CD 81 antigen; 26 kDa cell surface protein TAPA-1; target of the antiproliferative antibody 1; CD81 antigen (target of antiproliferative antibody 1)
UniProt Protein Name	CD81 antigen
UniProt Gene Name	**Cd81**
UniProt Synonym Gene Names	Tapa1
UniProt Entry Name	CD81_RAT

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://www.aaabiotech.com/rat-elisa-kits/cd81-antigen-cd81/27087