

Rat Cluster Of Differentiation 109 ELISA Kit | CD109 elisa kit

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CATALOG #
AAA96080

REACTIVITY
Rat

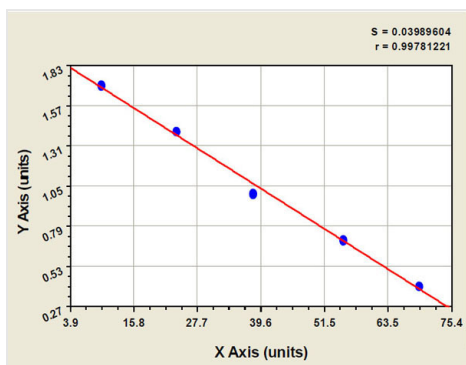
PRODUCT SYNONYMS

Cluster Of Differentiation 109; Rat Cluster Of Differentiation 109 ELISA Kit; CD109 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	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 CD109 elisa kit

Principle of the assay: CD109 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CD109 antibody and an CD109-HRP conjugate. The assay sample and buffer are incubated together with CD109-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 CD109 concentration since CD109 from samples and CD109-HRP conjugate compete for the anti-CD109 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD109 from the sample, fewer sites are left to bind CD109-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD109 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CD109 elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	227430303
NCBI GeneID	135228
NCBI Accession #	NP_001153060.1
NCBI GenBank Nucleotide #	NM_001159588.2
Molecular Weight	159,696 Da
NCBI Official Full Name	CD109 antigen isoform 3 preproprotein
NCBI Official Synonym Full Names	CD109 molecule
NCBI Official Symbol	CD109
NCBI Official Synonym Symbols	p180; r150; CPAMD7
NCBI Protein Information	CD109 antigen; Gov platelet alloantigens; activated T-cell marker CD109; platelet-specific Gov antigen; 150 kDa TGF-beta-1-binding protein; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 7
UniProt Protein Name	CD109 antigen
UniProt Gene Name	CD109
UniProt Synonym Gene Names	CPAMD7
UniProt Entry Name	CD109_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/cd109-rat-elisa-kits/cluster-of-differentiation-109/96080>