

Rat CD9 antigen (CD9) ELISA Kit | CD9 elisa kit

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CATALOG #
AAA244439

REACTIVITY
Rat

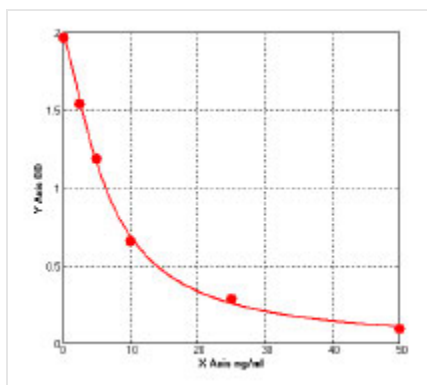
PRODUCT SYNONYMS

CD9 antigen (CD9); Rat CD9 antigen (CD9) ELISA Kit; CD9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CD9. No significant cross-reactivity or interference between CD9 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CD9 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 CD9 elisa kit	Principle of the Assay: CD9 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CD9 antibody and an CD9-HRP conjugate. The assay sample and buffer are incubated together with CD9-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 CD9 concentration since CD9 from samples and CD9-HRP conjugate compete for the anti-CD9 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD9 from the sample, fewer sites are left to bind CD9-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD9 concentration in each sample is interpolated from this standard curve. Intended Uses: This CD9 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CD9. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CD9 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502693
NCBI GeneID	928
NCBI Accession #	NP_001760.1
NCBI GenBank Nucleotide #	NM_001769.3
Molecular Weight	25,416 Da
NCBI Official Full Name	CD9 antigen
NCBI Official Synonym Full Names	CD9 molecule
NCBI Official Symbol	CD9
NCBI Official Synonym Symbols	MIC3; MRP-1; BTCC-1; DRAP-27; TSPAN29; TSPAN-29
NCBI Protein Information	CD9 antigen; 5H9 antigen; tetraspanin-29; BA-2/p24 antigen; CD9 antigen (p24); leukocyte antigen MIC3; motility related protein-1; cell growth-inhibiting gene 2 protein
UniProt Protein Name	CD9 antigen
UniProt Gene Name	CD9
UniProt Synonym Gene Names	MIC3; TSPAN29; GIG2; MRP-1; Tspan-29
UniProt Entry Name	CD9_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/rat-elisa-kits/cd9-antigen-cd9/244439>