

Human CD109 ELISA Kit | CD109 elisa kit

Human CD109 (Cluster of Differentiation 109) ELISA Kit

CATALOG #
AAA163726

REACTIVITY
Human

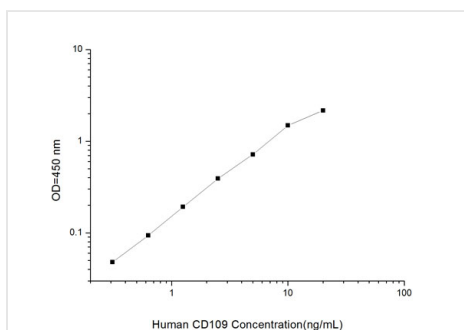
PRODUCT SYNONYMS

CD109; Human CD109 (Cluster of Differentiation 109) ELISA Kit; CD109 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human CD109 in samples. No significant cross-reactivity or interference between Human CD109 and analogues was observed.
Sequence Length	1368
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.31-20ng/mL
Sensitivity	0.19ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid-range and high level Human CD109 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid-range and high level Human CD109 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD109 elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro-ELISA plate provided in this kit has been pre-coated with an antibody specific to Human CD109. Standards or samples are added to the micro-ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human CD109 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human CD109, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The OD value is proportional to the concentration of Human CD109. You can calculate the concentration of Human CD109 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human CD109 concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	227430303
NCBI GeneID	135228
NCBI Accession #	NP_001153060.1
NCBI GenBank Nucleotide #	NM_001159588.2
UniProt Accession #	Q6YHK3; Q0P6K7; Q5SYA8; Q5XUM7; Q5XUM9; Q6MZI7; Q8N3A7; Q8N915; Q8TDJ2; A5YKK4; B2R948; B3KW25
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; 150 kDa TGF-beta-1-binding protein; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 7; Gov platelet alloantigens; activated T-cell marker CD109; platelet-specific Gov antigen
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.