

Mouse Cluster Of Differentiation 109 (CD109) ELISA Kit | CD109 elisa kit

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CATALOG #
AAA189758

REACTIVITY
Mouse

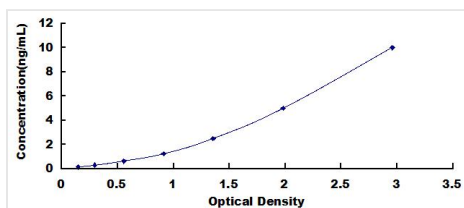
PRODUCT SYNONYMS

Cluster Of Differentiation 109 (CD109); Mouse Cluster Of Differentiation 109 (CD109) ELISA Kit; CPAMD7; p180; r150; Gov platelet alloantigens; 150 kDa TGF-beta-1-binding protein; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 7; CD109/Cluster Of Differentiation 109; CD109 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CD109. No significant cross-reactivity or interference between CD109 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.061ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CD109 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CD109 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD109 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to CD109. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to CD109. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CD109, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of CD109 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CD109 in mouse tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for CD109 elisa kit	CD & Adhesion molecule; Tumor immunity; Infection immunity; Hematology; Autoimmunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	23346525
NCBI GeneID	235505
NCBI Accession #	NP_694738.1
NCBI GenBank Nucleotide #	NM_153098.3
UniProt Accession #	Q8R422; Q8BLT6
Molecular Weight	161,659 Da
NCBI Official Full Name	CD109 antigen
NCBI Official Synonym Full Names	CD109 antigen
NCBI Official Symbol	Cd109
NCBI Official Synonym Symbols	GARP; AI480638; 9930012E15Rik
NCBI Protein Information	CD109 antigen; Gov platelet alloantigens; GPI-anchored alpha 2 macroglobulin-related protein; GPI-anchored alpha-2 macroglobulin-related protein
UniProt Protein Name	CD109 antigen
UniProt Gene Name	Cd109
UniProt Entry Name	CD109_MOUSE

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.