

Human Lymphocyte Antigen 9 (LY9) ELISA Kit | LY9 elisa kit

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CATALOG #
AAA137202

REACTIVITY
Human

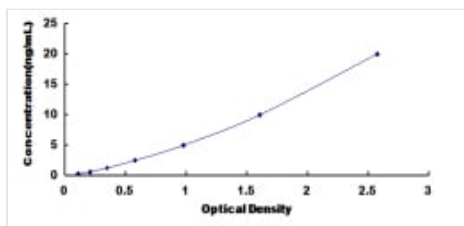
PRODUCT SYNONYMS

Lymphocyte Antigen 9 (LY9); Human Lymphocyte Antigen 9 (LY9) ELISA Kit; CD229; LY9; SLAMF3; Hly9; Mly9; Cell surface molecule Ly-9; Signaling lymphocytic activation molecule 3; LY9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Lymphocyte Antigen 9 (LY9). No significant cross-reactivity or interference between Lymphocyte Antigen 9 (LY9) and analogues was observed.
Sequence Length	193
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.128ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Lymphocyte Antigen 9 (LY9) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Lymphocyte Antigen 9 (LY9) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	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 LY9 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Lymphocyte Antigen 9 (LY9). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Lymphocyte Antigen 9 (LY9). 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 Lymphocyte Antigen 9 (LY9), 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 Lymphocyte Antigen 9 (LY9) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for LY9 elisa kit	Signal transduction; CD & Adhesion molecule; Tumor immunity; Infection immunity; Immune molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	40555763
NCBI GeneID	4063
UniProt Accession #	Q9HBG7; Q14775; Q5VYI3; Q6P2J4; Q9H4N5; Q9NQ24; A8K7N3
Molecular Weight	71,961 Da
NCBI Official Full Name	Lymphocyte antigen 9
NCBI Official Synonym Full Names	lymphocyte antigen 9
NCBI Official Symbol	LY9
NCBI Official Synonym Symbols	hly9; mLY9; CD229; SLAMF3
NCBI Protein Information	T-lymphocyte surface antigen Ly-9
UniProt Protein Name	T-lymphocyte surface antigen Ly-9
UniProt Gene Name	LY9
UniProt Synonym Gene Names	SLAMF3
UniProt Entry Name	LY9_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.