

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

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CATALOG #
AAA65791

REACTIVITY
Human

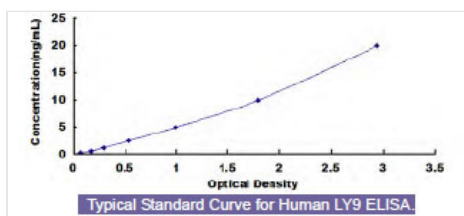
PRODUCT SYNONYMS

Lymphocyte Antigen 9 (LY9); Human Lymphocyte Antigen 9 (LY9) ELISA Kit; RASI-1; MMP18; Occasionally Referred To As Stromelysin-4; LY9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LY9. No significant cross-reactivity or interference between LY9 and analogues was observed.
Sequence Length	193
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.128ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LY9 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 LY9 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LY9 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of LY9 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to LY9. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 LY9 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	75991709
NCBI GeneID	4063
NCBI Accession #	NP_001028839.1
NCBI GenBank Nucleotide #	NM_001033667.2
UniProt Accession #	Q9HBG7; Q14775; Q5VYI3; Q6P2J4; Q9H4N5; Q9NQ24; A8K7N3
Molecular Weight	71,961 Da
NCBI Official Full Name	T-lymphocyte surface antigen Ly-9 isoform b
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

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.