

Mouse Lymphocyte Antigen 75 (LY75) ELISA Kit | LY75 elisa kit

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CATALOG #
AAA140086

REACTIVITY
Mouse

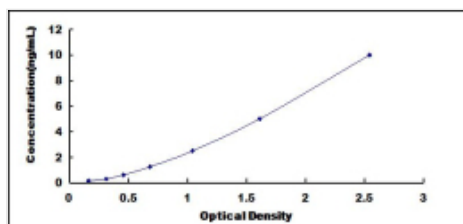
PRODUCT SYNONYMS

Lymphocyte Antigen 75 (LY75); Mouse Lymphocyte Antigen 75 (LY75) ELISA Kit; CD205; LY75; CLEC13B; DEC-205; GP200-MR6; C-type lectin domain family 13 member B; LY75 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Lymphocyte Antigen 75 (LY75). No significant cross-reactivity or interference between Lymphocyte Antigen 75 (LY75) and analogues was observed.
Sequence Length	232
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.057ng/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 75 (LY75) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Lymphocyte Antigen 75 (LY75) 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 LY75 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 75 (LY75). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Lymphocyte Antigen 75 (LY75). 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 75 (LY75), 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 75 (LY75) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for LY75 elisa kit	Signal transduction; CD & Adhesion molecule; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	144446030
NCBI GeneID	4065
NCBI Accession #	NP_002340.2
NCBI GenBank Nucleotide #	NM_002349.3
UniProt Accession #	O60449; O75913; Q53R46; Q53TF5; Q7Z575; Q7Z577
Molecular Weight	26,183 Da
NCBI Official Full Name	lymphocyte antigen 75
NCBI Official Synonym Full Names	lymphocyte antigen 75
NCBI Official Symbol	LY75
NCBI Official Synonym Symbols	CD205; LY-75; CLEC13B; DEC-205; GP200-MR6
NCBI Protein Information	lymphocyte antigen 75
UniProt Protein Name	Lymphocyte antigen 75
UniProt Gene Name	LY75
UniProt Synonym Gene Names	CD205; CLEC13B; Ly-75
UniProt Entry Name	LY75_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/mouse-elisa-kits/lymphocyte-antigen-75-ly75/140086>