

Human Lymphocyte Antigen 96 (LY96) ELISA Kit | LY96 elisa kit

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CATALOG #
AAA187363

REACTIVITY
Human

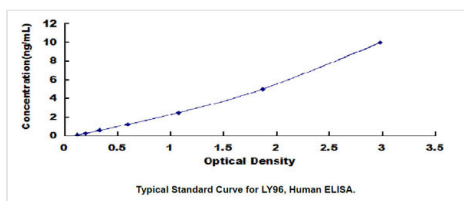
PRODUCT SYNONYMS

Lymphocyte Antigen 96 (LY96); Human Lymphocyte Antigen 96 (LY96) ELISA Kit; MD-2; ESOP1; LY96 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LY96. No significant cross-reactivity or interference between LY96 and analogues was observed.
Sequence Length	160
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LY96 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 LY96 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 LY96 elisa kit

Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to LY96. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to LY96. 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 LY96, 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 $\pm$ 10nm. The concentration of LY96 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8393737
NCBI GeneID	17087
NCBI Accession #	NP_058619.1
NCBI GenBank Nucleotide #	NM_016923.2
UniProt Accession #	Q9JHF9
Molecular Weight	18,394 Da
NCBI Official Full Name	lymphocyte antigen 96 isoform A
NCBI Official Synonym Full Names	lymphocyte antigen 96
NCBI Official Symbol	Ly96
NCBI Official Synonym Symbols	MD2; MD-2; ESOP-1
NCBI Protein Information	lymphocyte antigen 96
UniProt Protein Name	Lymphocyte antigen 96
UniProt Gene Name	Ly96
UniProt Synonym Gene Names	Esop1; Md2; Ly-96

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/human-elisa-kits/lymphocyte-antigen-96-ly96/187363>