

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

Human Lymphocyte Antigen 96 (LY96) ELISA Kit

CATALOG #
AAA331911

REACTIVITY
Human

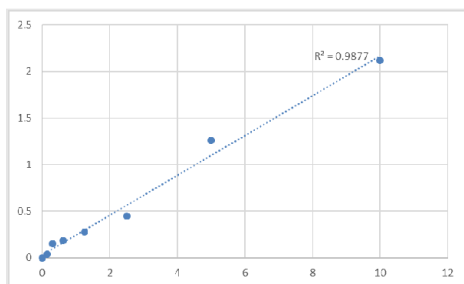
PRODUCT SYNONYMS

Lymphocyte Antigen 96 (LY96); Human Lymphocyte Antigen 96 (LY96) ELISA Kit; LY96; MD-2; MD2; MD-2 protein; myeloid differentiation protein-2; LY96 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Lymphocyte antigen 96 (LY96) ELISA Kit has high sensitivity and excellent specificity for detection of Human LY96. No significant cross-reactivity or interference between Human LY96 and analogues was observed.
Sequence Length	160
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Lymphocyte antigen 96 (LY96) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for LY96 elisa kit	Description: This Human Lymphocyte antigen 96 (LY96) ELISA Kit employs a two-site sandwich ELISA to quantitate LY96 in samples. An antibody specific for LY96 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LY96 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LY96 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of LY96 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: LY96 is involved in binding lipopolysaccharide with TLR 4. It is also known as "MD2". The MD-2 protein appears to associate with toll-like receptor 4 on the cell surface and confers responsiveness to lipopolysaccharide (LPS), thus providing a link between the receptor and LPS signaling. MD2 did not interact with LY64, but it did appear on cells expressing Toll-like receptor-4 (TLR4). Toll-like receptors, which contain extracellular LRRs and have intracellular regions homologous to the intracellular signaling domain of the interleukin-1 receptor (IL1R), activate nuclear factor kappa-B (NFKB). TLR4 is involved in the response to lipopolysaccharide (LPS) from gram-negative bacteria. Functional analysis showed that expression of MD2 enhanced TLR4-dependent activation of NFKB.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	20138466
NCBI GeneID	613753
UniProt Accession #	P58754
NCBI Official Full Name	Lymphocyte antigen 96
NCBI Official Synonym Full Names	lymphocyte antigen 96
NCBI Official Symbol	LY96
NCBI Official Synonym Symbols	MD2; MD-2; ly-96
NCBI Protein Information	lymphocyte antigen 96
UniProt Protein Name	Lymphocyte antigen 96
UniProt Gene Name	LY96
UniProt Synonym Gene Names	MD2; Ly-96
UniProt Entry Name	LY96_BOVIN

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.