

# Mouse Lymphocyte antigen 75 (LY75) ELISA Kit

Catalog No: #EK10001



Package Size: #EK10001-1 48T #EK10001-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Mouse Lymphocyte antigen 75 (LY75) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	CD205; CLEC13B; DEC-205; GP200-MR6;
Accession No.	Q60767
Uniprot	Q60767
GeneID	17076;
Storage	<p>The stability of ELISA 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.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.061 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate LY75 in samples. An antibody specific for LY75 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyLY75 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LY75 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 LY75 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The LY75 protein has 77% overall amino acid identity with mouse Dec205. LY75 is a member of the MMR family of multidomain molecules. It contains a signal peptide, a cysteine-rich domain, a fibronectin type II domain, 10 carbohydrate recognition-like domains, a transmembrane domain, and a cytoplasmic tail. Northern blot analysis of hematopoietic cell lines revealed the presence of a predominant 7.8-kb and a secondary 9.5-kb transcript in myeloid, B-cell, and Hodgkin cell lines but not in the Jurkat T-cell line. In peripheral blood, immature DC contained barely detectable transcripts, which increased 50-fold upon differentiation and activation.LY75 acts as an endocytic receptor to direct captured antigens from the extracellular space to a specialized antigen-processing compartment.

---

Note: This product is for in vitro research use only