

Human LY6D (Lymphocyte antigen 6D) ELISA Kit | LY6D elisa kit

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CATALOG #
AAA251038

REACTIVITY
Human

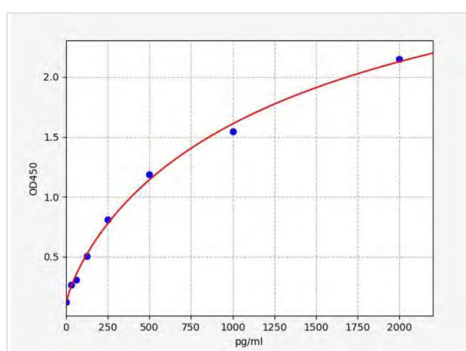
PRODUCT SYNONYMS

LY6D (Lymphocyte antigen 6D); Human LY6D (Lymphocyte antigen 6D) ELISA Kit; LY6D; Lymphocyte antigen 6D; Ly-6D; E48 antigen; LY6D elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize LY6D, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LY6D elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti LY6D antibody was pre-coated onto the 96-well plate. The biotin conjugated anti LY6D antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with LY6D conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of LY6D in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11321575
NCBI GeneID	8581
NCBI Accession #	NP_003686
NCBI GenBank Nucleotide #	NM_003695.2
UniProt Accession #	Q14210; O43783; Q6GTV9; Q8TBD4; Q92933; B2R5F1; D3DWJ0
Molecular Weight	10.8 kDa (101aa), confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)
NCBI Official Full Name	lymphocyte antigen 6D
NCBI Official Synonym Full Names	lymphocyte antigen 6 family member D
NCBI Official Symbol	LY6D
NCBI Official Synonym Symbols	E48; Ly-6D
NCBI Protein Information	lymphocyte antigen 6D
UniProt Protein Name	Lymphocyte antigen 6D
UniProt Gene Name	LY6D
UniProt Synonym Gene Names	E48; Ly-6D

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.