

Mouse Leukocyte antigen E ELISA Kit | HLA-E elisa kit

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CATALOG #
AAA17178

REACTIVITY
Mouse

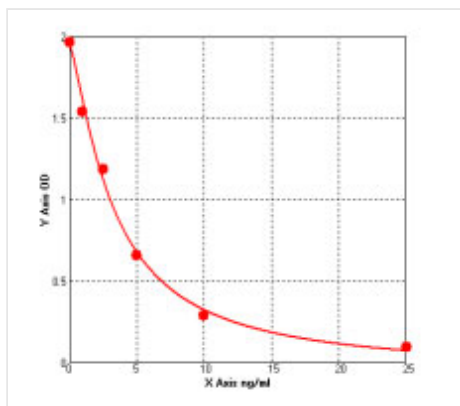
PRODUCT SYNONYMS

Leukocyte antigen E; Mouse Leukocyte antigen E ELISA Kit; HLA-E elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of HLAE. No significant cross-reactivity or interference between HLAE and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between HLAE and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Intended Uses	This HLA-E ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse HLA-E. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HLA-E elisa kit	Principle of the Assay: HLA-E ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-HLAE antibody and an HLAE-HRP conjugate. The assay sample and buffer are incubated together with HLAE-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the HLAE concentration since HLAE from samples and HLAE-HRP conjugate compete for the anti-HLAE antibody binding site. Since the number of sites is limited, as more sites are occupied by HLAE from the sample, fewer sites are left to bind HLAE-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HLAE concentration in each sample is interpolated from this standard curve. Intended Uses: This HLAE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse HLAE. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for HLA-E elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	62912479
NCBI GeneID	3133
NCBI Accession #	NP_005507.3
NCBI GenBank Nucleotide #	NM_005516.5
Molecular Weight	40,157 Da
NCBI Official Full Name	HLA class I histocompatibility antigen, alpha chain E
NCBI Official Synonym Full Names	major histocompatibility complex, class I, E
NCBI Official Symbol	HLA-E
NCBI Official Synonym Symbols	MHC; QA1; EA1.2; EA2.1; HLA-6.2
NCBI Protein Information	HLA class I histocompatibility antigen, alpha chain E; MHC HLA-E alpha-1; lymphocyte antigen; MHC HLA-E alpha-2.1; MHC class I antigen E; HLA class I histocompatibility antigen, E alpha chain
UniProt Protein Name	HLA class I histocompatibility antigen, alpha chain E
UniProt Gene Name	HLA-E
UniProt Synonym Gene Names	HLA-6.2; HLAE
UniProt Entry Name	HLAE_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.