

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

Bovine Leukocyte antigen E ELISA Kit

CATALOG #
AAA94228

REACTIVITY
Bovine

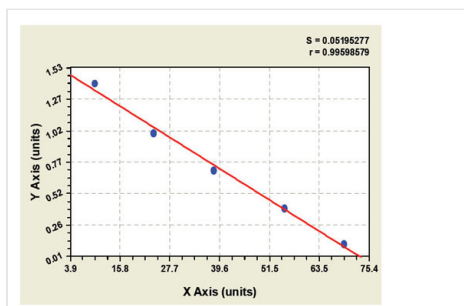
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This HLA-E ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine 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



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 monoclonal anti-HLA-E antibody and an HLA-E-HRP conjugate. The assay sample and buffer are incubated together with HLA-E-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 HLA-E concentration since HLA-E from samples and HLA-E-HRP conjugate compete for the anti-HLA-E antibody binding site. Since the number of sites is limited, as more sites are occupied by HLA-E from the sample, fewer sites are left to bind HLA-E-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HLA-E concentration in each sample is interpolated from this standard curve.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/hla-e-bovine-ovine-elisa-kits/leukocyte-antigen-e/94228>