

Human major histocompatibility complex, class I, E (HLA-E) ELISA Kit | HLA-E elisa kit

Human major histocompatibility complex, class I, E, HLA-E ELISA Kit

CATALOG #
AAA80974

REACTIVITY
Human

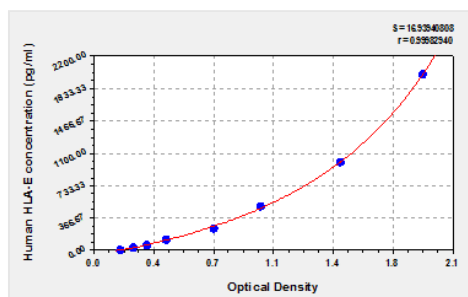
PRODUCT SYNONYMS

major histocompatibility complex; class I; E (HLA-E); Human major histocompatibility complex; E; HLA-E ELISA Kit; E (HLA-E) ELISA kit; DAMA-277114.1; DKFZp686P19218; EA1.2; EA2.1; HLA-6.2; MHC; QA1; HLA class I histocompatibility antigen; E alpha chain; MHC HLA-E alpha-1; MHC HLA-E alpha-2.1; MHC class I antigen; lymphocyte antigen; HLA-E elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human HLA-E. No significant cross-reactivity or interference between human HLA-E and analogues was observed.
Sequence Length	362
Samples	Serum, plasma, cell culture supernates, tissue homogenates
Assay Type	Sandwich
Detection Range	31.25 pg/ml -2000 pg/ml.
Sensitivity	The minimum detectable dose of human HLA-E is typically less than 7.81 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HLA-E elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for HLA-E has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any HLA-E present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for HLA-E is added to the wells. After washing, avidin 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 HLA-E bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1261808
NCBI GeneID	3106
UniProt Accession #	P01889; Q29638; Q29681; Q29854; Q29861; Q31613; Q5SRJ2; Q9GIX1; Q9TP95; P03989; P10319; P18463; P18464; P18465; P30460; P30461; P30462; P30464
Molecular Weight	40,460 Da
NCBI Official Full Name	major histocompatibility complex
NCBI Official Synonym Full Names	major histocompatibility complex, class I, B
NCBI Official Symbol	HLA-B
NCBI Official Synonym Symbols	AS; HLAB; SPDA1
NCBI Protein Information	major histocompatibility complex, class I, B; lymphocyte antigen; MHC class I antigen SHCHA; MHC Class I HLA heavy chain; MHC class I antigen GN00104; leukocyte antigen class I-B; MHC HLA-B cell surface glycoprotein; MHC HLA-B transmembrane glycoprotein; MHC class I antigen HLA-B heavy chain; HLA class I histocompatibility antigen, B alpha chain
UniProt Protein Name	HLA class I histocompatibility antigen, B-7 alpha chain
UniProt Gene Name	HLA-B
UniProt Synonym Gene Names	HLAB
UniProt Entry Name	1B07_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/major-histocompatibility-complex-class-i-e-hla-e/80974>