

## Guinea Pig Leukocyte antigen E ELISA Kit | HLA-E elisa kit

Guinea pig Leukocyte antigen E ELISA Kit

CATALOG #  
**AAA96026**

REACTIVITY  
**Guinea Pig**

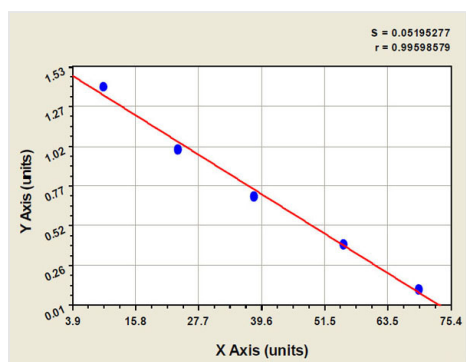
### PRODUCT SYNONYMS

Leukocyte antigen E; Guinea pig Leukocyte antigen E ELISA Kit; HLA-E elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Guinea Pig                                                                 |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Sensitivity             | 0.1 ng/mL.                                                                 |
| 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 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.

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