

## Sheep Leukocyte antigen B ELISA Kit | HLA-B elisa kit

Sheep Leukocyte antigen B ELISA Kit

CATALOG #  
**AAA96956**

REACTIVITY  
**Sheep**

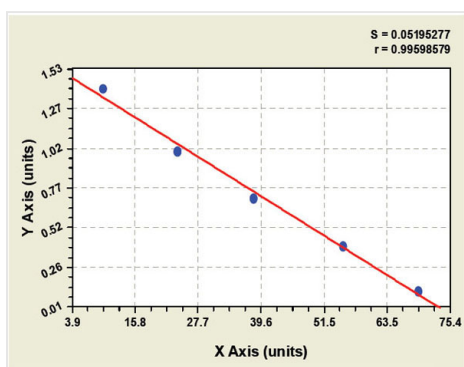
### PRODUCT SYNONYMS

Leukocyte antigen B; Sheep Leukocyte antigen B ELISA Kit; HLA-B elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Sheep                                                                      |
| 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-B elisa kit

**Intended Uses:** This HLA-B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep HLA-B. This ELISA kit for research use only!

**Principle of the Assay:** HLA-B ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HLA-B antibody and an HLA-B-HRP conjugate. The assay sample and buffer are incubated together with HLA-B-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-B concentration since HLA-B from samples and HLA-B-HRP conjugate compete for the anti-HLA-B antibody binding site. Since the number of sites is limited, as more sites are occupied by HLA-B from the sample, fewer sites are left to bind HLA-B-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HLA-B concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for HLA-B elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 2341083                                                                                                                                                                                                                                                                                                                                                     |
| NCBI GeneID                      | 3106                                                                                                                                                                                                                                                                                                                                                        |
| Molecular Weight                 | 40,460 Da                                                                                                                                                                                                                                                                                                                                                   |
| NCBI Official Full Name          | HLA-B, partial                                                                                                                                                                                                                                                                                                                                              |
| 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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