

Chicken Leukocyte antigen B ELISA Kit | HLA-B elisa kit

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CATALOG #
AAA95494

REACTIVITY
Chicken

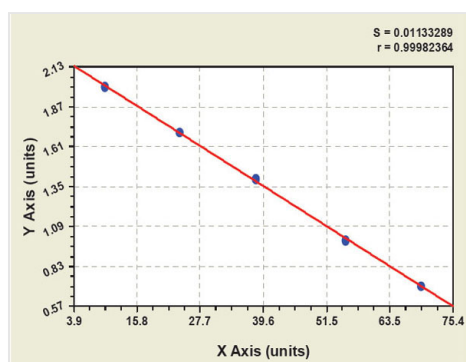
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This HLA-B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken HLA-B. This ELISA kit for research use only, not for therapeutic applications!
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

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

Neurobiology

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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Online datasheet: <https://stage.aaabiotech.com/hla-b-chicken-elisa-kits/leukocyte-antigen-b/95494>