

Human Major Histocompatibility Complex Class I B (MHCb) ELISA Kit | MHCb elisa kit

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CATALOG #
AAA185496

REACTIVITY
Human

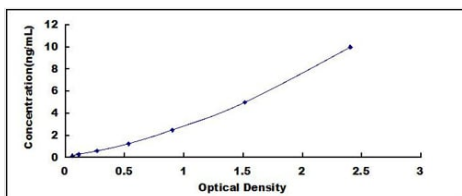
PRODUCT SYNONYMS

Major Histocompatibility Complex Class I B (MHCb); Human Major Histocompatibility Complex Class I B (MHCb) ELISA Kit; MHC-B; HLA-B; HLAB; AS; SPDA1; Leukocyte Antigen B; Ankylosing Spondylitis; HLA class I histocompatibility antigen; B-7 alpha chain; MHCb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Major Histocompatibility Complex Class I B (MHCb). No significant cross-reactivity or interference between Major Histocompatibility Complex Class I B (MHCb) and analogues was observed.
Sequence Length	362
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.061ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Major Histocompatibility Complex Class I B (MHCb) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Major Histocompatibility Complex Class I B (MHCb) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MHCB elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Major Histocompatibility Complex Class I B (MHCB). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Major Histocompatibility Complex Class I B (MHCB). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Major Histocompatibility Complex Class I B (MHCB), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Major Histocompatibility Complex Class I B (MHCB) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	17986001
NCBI GeneID	3106
NCBI Accession #	NP_005505.2
NCBI GenBank Nucleotide #	NM_005514.7
UniProt Accession #	P01889; Q29638; Q29681; Q29854; Q29861; Q31613; Q5SRJ2; Q9GIX1; Q9TP95; P18463; P10319; P18464; P18465; P30460; P30461; P30462; P30466; P30685; P30475
Molecular Weight	40,460 Da
NCBI Official Full Name	major histocompatibility complex, class I, B
NCBI Official Synonym Full Names	major histocompatibility complex, class I, B
NCBI Official Symbol	HLA-B
NCBI Official Synonym Symbols	AS; HLAB; B-4901
NCBI Protein Information	major histocompatibility complex, class I, B
UniProt Protein Name	HLA class I histocompatibility antigen, B-7 alpha chain
UniProt Gene Name	HLA-B
UniProt Synonym Gene Names	HLAB

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-b-mhcb/185496>