

Mouse Major Histocompatibility Complex Class II DR Beta 1 (MHCDRb1) ELISA Kit | MHCDRb1 elisa kit

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CATALOG #
AAA138259

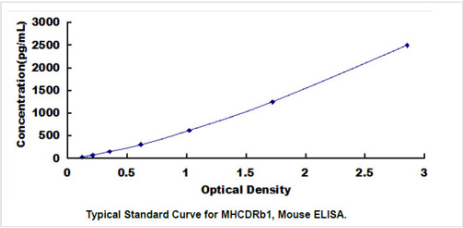
REACTIVITY
Mouse

PRODUCT SYNONYMS

Major Histocompatibility Complex Class II DR Beta 1 (MHCDRb1); Mouse Major Histocompatibility Complex Class II DR Beta 1 (MHCDRb1) ELISA Kit; HLA-DRB1; HLA-DR1B; HLADRB1; HLA Class II Histocompatibility Antigen; DRB1-9 Beta Chain; HLA class II histocompatibility antigen; DRB1-15 beta chain; MHCDRb1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Major Histocompatibility Complex Class II DR Beta 1 (MHCDRb1). No significant cross-reactivity or interference between Major Histocompatibility Complex Class II DR Beta 1 (MHCDRb1) and analogues was observed.
Sequence Length	266
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates and other biological fluids
Detection Range	39.06-2500pg/mL
Sensitivity	12pg/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 II DR Beta 1 (MHCDRb1) 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 II DR Beta 1 (MHCDRb1) 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.



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MHCDRb1 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 II DR Beta 1 (MHCDRb1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Major Histocompatibility Complex Class II DR Beta 1 (MHCDRb1). 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 II DR Beta 1 (MHCDRb1), 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 II DR Beta 1 (MHCDRb1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for MHCDRb1 elisa kit	Tumor immunity; Infection immunity; Immune molecule; Immunodeficiency; Autoimmunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	345461076
NCBI GeneID	3123
NCBI Accession #	NP_001230894.1
NCBI GenBank Nucleotide #	NM_001243965.1
UniProt Accession #	P01911; Q29790; Q29975; Q30142; Q30166; Q32MY7; Q56FN9; Q5Y7B0; Q5Y7B9; P01912; P04229; P20039; Q29974; Q30134; Q30167; Q5Y7A7; Q95IE3; Q9GIY3
Molecular Weight	29,966 Da
NCBI Official Full Name	major histocompatibility complex, class II, DR beta 1
NCBI Official Synonym Full Names	major histocompatibility complex, class II, DR beta 1
NCBI Official Symbol	HLA-DRB1
NCBI Official Synonym Symbols	SS1; DRB1; DRw10; HLA-DRB; HLA-DR1B
NCBI Protein Information	major histocompatibility complex, class II, DR beta 1
UniProt Protein Name	HLA class II histocompatibility antigen, DRB1-15 beta chain
UniProt Gene Name	HLA-DRB1
UniProt Synonym Gene Names	HLA-DRB2
UniProt Entry Name	2B1F_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.