

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

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CATALOG #
AAA129536

REACTIVITY
Human

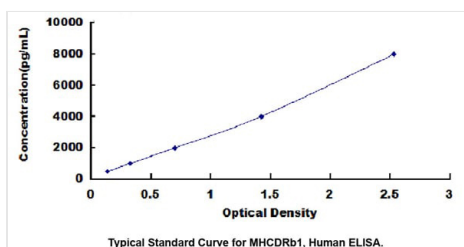
PRODUCT SYNONYMS

Major Histocompatibility Complex Class II DR Beta 1 (MHCDRb1); Human 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	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MHCDRb1. No significant cross-reactivity or interference between MHCDRb1 and analogues was observed.
Sequence Length	266
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates and other biological fluids
Detection Range	500-8,000pg/mL
Sensitivity	< 183pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MHCDRb1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MHCDRb1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 MHCDRb1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MHCDRb1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to 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 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 MHCDRb1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MHCDRb1 in human serum, plasma, tissue homogenates and other biological fluids.
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.