

Human Major Histocompatibility Complex Class I C (MHCC) ELISA Kit | MHCC elisa kit

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CATALOG #
AAA189774

REACTIVITY
Human

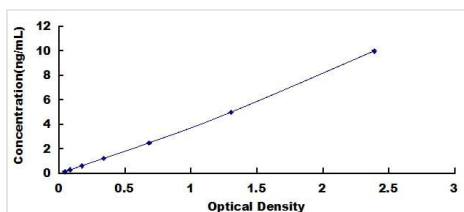
PRODUCT SYNONYMS

Major Histocompatibility Complex Class I C (MHCC); Human Major Histocompatibility Complex Class I C (MHCC) ELISA Kit; MHC-C; HLAC; HLA-JY3; HLC-C; HLA-C; PSORS1 Leukocyte Antigen C; HLA class I histocompatibility antigen; Cw-7 alpha chain; MHCC/Major Histocompatibility Complex Class I C; MHCC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MHCC. No significant cross-reactivity or interference between MHCC and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MHCC 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 MHCC were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months 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 MHCC elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MHCC. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to MHCC. 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 MHCC, 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 MHCC 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 MHCC in human tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for MHCC elisa kit	Immune molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	52630342
NCBI GeneID	3107
NCBI Accession #	NP_002108
NCBI GenBank Nucleotide #	NM_002117.5
UniProt Accession #	P10321; O62883; O78060; O78068; O78069; P30503; Q29743; Q29992; Q29993; Q9GIK8; Q9TQB4; P04222; P30499; P30501; P30504; P30505; P30508; P30510; Q29960; Q29963
Molecular Weight	40,861 Da
NCBI Official Full Name	HLA class I histocompatibility antigen, Cw-1 alpha chain
NCBI Official Synonym Full Names	major histocompatibility complex, class I, C
NCBI Official Symbol	HLA-C
NCBI Official Synonym Symbols	HLC-C; D6S204; PSORS1; HLA-JY3
NCBI Protein Information	HLA class I histocompatibility antigen, Cw-1 alpha chain; HLA class I histocompatibility antigen, C alpha chain; MHC class I antigen heavy chain HLA-C; human leukocyte antigen-C alpha chain; major histocompatibility antigen HLA-C
UniProt Protein Name	HLA class I histocompatibility antigen, Cw-7 alpha chain
UniProt Gene Name	HLA-C
UniProt Synonym Gene Names	HLAC

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-c-mhcc/189774>