

Rat Major Histocompatibility Complex class II Antigen ELISA Kit | MHC2 elisa kit

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CATALOG #
AAA95430

REACTIVITY
Rat

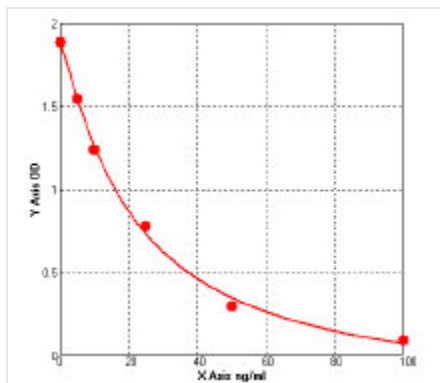
PRODUCT SYNONYMS

Major Histocompatibility Complex class II Antigen; Rat Major Histocompatibility Complex class II Antigen ELISA Kit; MHC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of MHC2. No significant cross-reactivity or interference between MHC2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MHC2 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MHC2 elisa kit	Intended Uses: This MHC2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat MHC2. This ELISA kit for research use only! Principle of the Assay: MHC2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-MHC2 antibody and an MHC2-HRP conjugate. The assay sample and buffer are incubated together with MHC2-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 MHC2 concentration since MHC2 from samples and MHC2-HRP conjugate compete for the anti-MHC2 antibody binding site. Since the number of sites is limited, as more sites are occupied by MHC2 from the sample, fewer sites are left to bind MHC2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MHC2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for MHC2 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	8714524
Molecular Weight	9,828 Da
NCBI Official Full Name	major histocompatibility complex class II antigen, partial
UniProt Protein Name	Major histocompatibility complex class II antigen
UniProt Gene Name	Mhc-Mamu-DQB1
UniProt Entry Name	O98041_MACMU

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/mhc2-rat-elisa-kits/major-histocompatibility-complex-class-ii-antigen/95430>