

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

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CATALOG #
AAA93766

REACTIVITY
Human

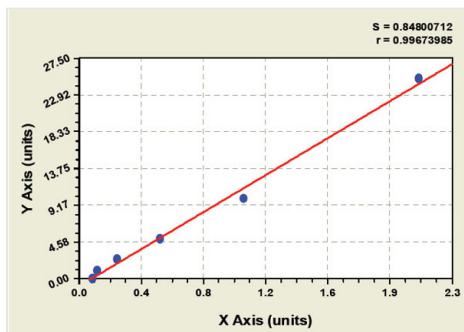
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This MHC2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MHC2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MHC2 elisa kit

Principle of the Assay: MHC2 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for MHC2. Standards or samples are then added to the microtiter plate wells and MHC2 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of MHC2 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for MHC2 are added to each well to "sandwich" the MHC2 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain MHC2 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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.

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-human-elisa-kits/major-histocompatibility-complex-class-ii-antigen/93766>