

Rat anti-Mouse MHC Class II (I-A/I-E) Monoclonal Antibody | anti-MHC antibody

MHC Class II (I-A/I-E) Rat mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283070	Rat	Mouse	ELISA, Flow Cytometry, Functional Assay

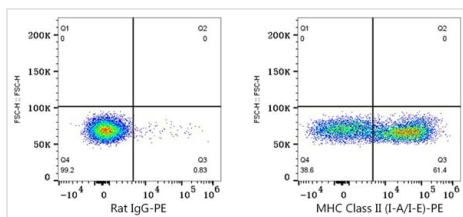
PRODUCT SYNONYMS

MHC Class II (I-A/I-E); Monoclonal Antibody; MHC Class II (I-A/I-E) Rat mAb; Eb; Ia4; H2Eb; Ia-4; H-2Eb;IAb; Ia2; Ia-2; Abeta; H-2Ab; H2-Ab; Rmcs1; I-Abeta; Ia5; Ia-5; H-2Eb2; Iebeta2; A130038H09Rik; Ia1; H2Aa; Ia-1; H-2Aa; Aalpha; IAalpha; I-Aalpha; anti-MHC antibody

PRODUCT SPECIFICATIONS

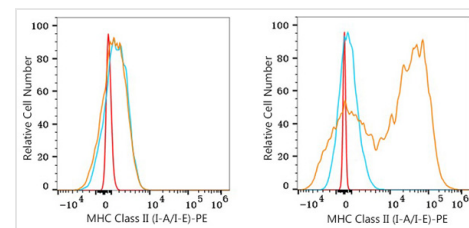
Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Applicable Applications for anti-MHC antibody	ELISA, FCM/FACS (Flow Cytometry)
Immunogen	Recombinant protein of mouse MHC Class II (I-A/I-E).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometry: 1X10⁶ C57BL/6 mouse splenocytes were surface-stained with Rat IgG isotype control (2 ug/Test,left) or MHC Class II (I-A/I-E) Rat mAb (AAA283070,2 ug/mL,right) , followed by PE goat anti-Rat pAb staining.



FCM/FACS (Flow Cytometry)

Flow cytometry: 1X10⁶ Neuro-2a cells (negative control,left) and C57BL/6 mouse splenocytes (right) were surface-stained with MHC Class II (I-A/I-E) Rat mAb (AAA283070,2 ug/mL,orange line) or Rat IgG isotype control (2 ug/Test,blue line), followed by PE goat anti-Rat pAb staining. Non-fluorescently stained cells were used as blank control (red line).

ADDITIONAL INFORMATION

Related Product Information for anti-MHC antibody

Predicted to enable several functions, including MHC class II receptor activity; peptide antigen binding activity; and signaling receptor binding activity. Involved in response to interferon-gamma. Acts upstream of or within antigen processing and presentation of exogenous peptide antigen via MHC class II. Predicted to be located in external side of plasma membrane and immunological synapse. Predicted to be part of MHC class II protein complex. Predicted to be active in late endosome membrane and lysosomal membrane. Is expressed in lung. Human ortholog(s) of this gene implicated in several diseases, including asthma (multiple); autoimmune disease (multiple); bacterial infectious disease (multiple); eye disease (multiple); and sarcoidosis (multiple). Orthologous to human HLA-DRB1 (major histocompatibility complex, class II, DR beta 1) and HLA-DRB5 (major histocompatibility complex, class II, DR beta 5).

Product Categories/Family for anti-MHC antibody

Immunology; Adaptive Immunity; MHC Class II; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	122255
NCBI GeneID	14969/14961/381091/14960
UniProt Accession #	P18468; P06342; P01915; P04230; P04231; P18469; P20040
Molecular Weight	Calculated MW: 26kDa/30kDa/32kDa
UniProt Protein Name	H-2 class II histocompatibility antigen, I-A beta chain
UniProt Gene Name	H2-Eb1

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/monoclonal/mhc-class-ii-i-a-i-e-antibody-flow-cytometry-elisa/283070>