

Mouse MHC Class II Monoclonal Antibody | anti-MHC Class II antibody

MHC Class II, Mouse Anti Human

CATALOG # AAA37947	HOST Mouse	APPLICATIONS Immunoprecipitation, Western Blot, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

MHC Class II; Monoclonal Antibody; Mouse Anti Human; MHC Class II Antibody; Mouse Anti-Human; anti-MHC Class II antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	CYR-hClass II
Specificity	All haplotypes.
Purity/Purification	Ion exchange column.
Concentration	1mg/ml in PBS (after reconstitution). (varies by lot)
Sequence Length	229
Applicable Applications for anti-MHC Class II antibody	IP (Immunoprecipitation), WB (Western Blot), FCM/FACS (Flow Cytometry)
Physical Appearance	Sterile filtered white lyophilized (freeze-dried) powder.
Reconstitution	Reconstitute with of H2O mix gently, wash the sides of the vial and wait 30-60 seconds before use.
Titer	Staining anitbody. For staining, use 10ul/10 ⁶ cells.
Immunogen	Purified Human B cells.
Available Conjugates	This antibody is currently available only as purified antibody.
Preparation and Storage	Lyophilized: store at 4 degree C. After reconstitution, if not intended for use within a month, aliquot and store at -20 degree C. Antibody is shipped lyophilized at ambient temperature. Shipping Condition: Antibody is shipped lyophilized at ambient temperature.

ADDITIONAL INFORMATION

Related Product Information for anti-MHC Class II antibody	Introduction: MHC Class II is consists of 2 membrane spanning proteins. Each of these proteins is roughly 30 kDa, and has of two Globular domains, Alpha-1, Alpha-2, Beta-1 and Beta-2. The two regions farthest away from the membrane are alpha-1 and beta-1. The two proteins link without Covalent Bonds. The MHC Class II protein mainly presents peptides, which have been digested from external sources. MHC Class II is normally only expressed by Antigen Presenting Cells (APC) which digest foreign protein. Within the RER the alpha and beta proteins of the molecule, associate with each other, while a third protein called the "invariant chain," is necessary for stabilizing the complex, without it, they will not associate. The MHC-invariant complex is then passed from the RER, into and out of, the Golgi body. It fuses with an Endocytic compartment, where an external protein has been sampled and degraded.
Product Categories/Family for anti-MHC Class II antibody	Monoclonal/Polyclonal Antibodies ; Monoclonal Antibodies

References	Natural CD4+ T-cell responses against indoleamine 2, 3-dioxygenase . Shamaila Munir, Stine Kiaer Larsen, Trine Zeeberg Iversen, Marco Donia, Tobias Wirenfeldt Klausen, Inge Marie Svane, Per thor Straten, Mads Hald Andersen (2012)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74739520
Molecular Weight	26,489 Da
NCBI Official Full Name	MHC class II HLA-DQ-beta-1
UniProt Protein Name	MHC class II HLA-DQ-beta-1
UniProt Gene Name	HLA-DQB1
UniProt Entry Name	O19707_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
 Online datasheet: <https://stage.aaabiotech.com/monoclonal/mhc-class-ii-antibody-clone-cyr-hclass-ii-immunoprecipitation-western-blot-flow-cytometry-elisa/37947>