

HLA-DMA rabbit monoclonal antibody

Catalog # H00003108-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human HLA-DMA peptide using ARM Technology.
Immunogen	A synthetic peptide of human HLA-DMA is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human HLA-DMA peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — HLA-DMA

Entrez GeneID	3108
GeneBank Accession#	HLA-DMA
Gene Name	HLA-DMA
Gene Alias	D6S222E, DMA, HLADM, RING6
Gene Description	major histocompatibility complex, class II, DM alpha
Omim ID	142855
Gene Ontology	Hyperlink
Gene Summary	HLA-DMA belongs to the HLA class II alpha chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DMA) and a beta chain (DMB), both anchored in the membrane. It is located in intracellular vesicles. DM plays a central role in the peptide loading of MHC class II molecules by helping to release the CLIP molecule from the peptide binding site. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). The alpha chain is approximately 33-35 kDa and its gene contains 5 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, exon 4 encodes the transmembrane domain and the cytoplasmic tail. [provided by RefSeq]
Other Designations	OTTHUMP00000029242 OTTHUMP00000062997 class II histocompatibility antigen, M alpha chain

Pathway

- [Allograft rejection](#)
- [Antigen processing and presentation](#)
- [Asthma](#)
- [Autoimmune thyroid disease](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [Graft-versus-host disease](#)
- [Systemic lupus erythematosus](#)
- [Type I diabetes mellitus](#)

Disease

- [Acquired Immunodeficiency Syndrome](#)
- [AIDS-Related Opportunistic Infections](#)
- [Antiphospholipid Syndrome](#)
- [Arthritis](#)
- [Cardiovascular Diseases](#)
- [Condylomata Acuminata](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [HIV Seropositivity](#)
- [Lupus Erythematosus](#)
- [Malaria](#)
- [Measles](#)
- [Multiple Sclerosis](#)
- [Mycobacterium avium-intracellulare Infection](#)
- [Psoriasis](#)