

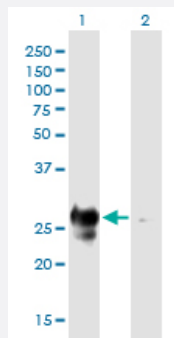
CX Grade

HLA-DPB1 monoclonal antibody (M01J), clone 6C6

Catalog # H00003115-M01J

Size 100 ug

Applications

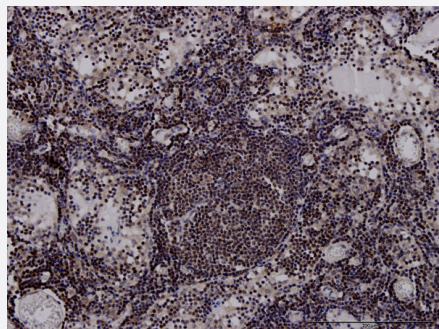


Western Blot (Transfected lysate)

Western Blot analysis of HLA-DPB1 expression in transfected 293T cell line by HLA-DPB1 monoclonal antibody (M01J), clone 6C6.

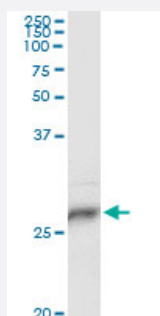
Lane 1: HLA-DPB1 transfected lysate (Predicted MW: 29.2 KDa).

Lane 2: Non-transfected lysate.



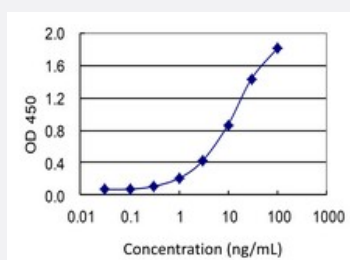
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to HLA-DPB1 on formalin-fixed paraffin-embedded human lymph node. [antibody concentration 3 ug/ml]



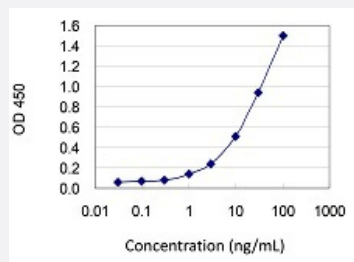
Immunoprecipitation

Immunoprecipitation of HLA-DPB1 transfected lysate using anti-HLA-DPB1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with HLA-DPB1 monoclonal antibody.



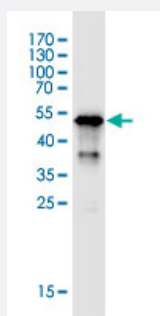
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HLA-DPB1 is 0.1 ng/ml as a capture antibody.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HLA-DPB1 is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (54.12 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant HLA-DPB1. This product is belong to Cell Culture Grade Antibody (CX Grade).
Immunogen	HLA-DPB1 (AAH13184, 1 a.a. ~ 258 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MMVLQVSAAPRTVALTALLMVLLTSVVQGRATPENIVYQGRQECYAFNGTQRFLERYIYNREEYA RFDSDVGEFRAVTELGRPAAEYWNSQKDILEEKRAVPDRVCRHNYELDEAVTLQRRVQPKVNV SPSKKGPLQHNNLLVCHVTDFYPGSIQVRWFLNGQEETAGVVSTNLIRNGDWTFQILVMLEMPQ QGDVYICQVEHTSLDSPVTVEWKAQSDSAQSKTLTGAGGFVLGLICGVGIFMHRRSKKVQRGSA
Host	Mouse
Reactivity	Human
Preparation Method	Cell Culture Production
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (54.12 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of HLA-DPB1 expression in transfected 293T cell line by HLA-DPB1 monoclonal antibody (M01J), clone 6C6.

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Lane 2: Non-transfected lysate.

[Protocol Download](#)

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[Protocol Download](#)

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- ELISA

Gene Info — HLA-DPB1

Entrez GeneID

[3115](#)

GeneBank Accession#	BC013184
Protein Accession#	AAH13184
Gene Name	HLA-DPB1
Gene Alias	DPB1, HLA-DP1B
Gene Description	major histocompatibility complex, class II, DP beta 1
Omim ID	142858
Gene Ontology	Hyperlink
Gene Summary	HLA-DPB belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DPA) and a beta chain (DPB), both anchored in the membrane. It plays a central role in the immune system by presenting peptides derived from extracellular proteins. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). The beta chain is approximately 26-28 kDa and its gene contains 6 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, exon 4 encodes the transmembrane domain and exon 5 encodes the cytoplasmic tail. Within the DP molecule both the alpha chain and the beta chain contain the polymorphisms specifying the peptide binding specificities, resulting in up to 4 different molecules. [provided by RefSeq]
Other Designations	HLA DP14-beta chain HLA-DP histocompatibility type, beta-1 subunit MHC HLA DPB1 MHC class II HLA-DP-beta MHC class II HLA-DP-beta-1 MHC class II HLA-DRB1 MHC class II antigen DP beta 1 chain MHC class II antigen DPbeta1 MHC class II antigen beta chain OTT

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

- [Acute Disease](#)
- [Antiphospholipid Syndrome](#)
- [Arthritis](#)
- [Asthma](#)
- [Autoimmune Diseases](#)
- [Berylliosis](#)
- [Biliary Atresia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
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- [Cytomegalovirus Infections](#)
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- [Graft vs Host Disease](#)

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- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Myelitis](#)
- [Nasopharyngeal Neoplasms](#)
- [Neuromyelitis Optica](#)
- [Obesity](#)
- [Occupational Diseases](#)

- [Optic Neuritis](#)
- [Pancreatitis](#)
- [Papillomavirus Infections](#)
- [Periodontitis](#)
- [Precursor B-Cell Lymphoblastic Leukemia-Lymphoma](#)
- [Pulmonary Embolism](#)
- [Pulmonary Fibrosis](#)
- [Recurrence](#)
- [Respiratory Hypersensitivity](#)
- [Sarcoidosis](#)
- [Scleroderma](#)
- [Silicosis](#)
- [Spondylitis](#)
- [Thromboangiitis Obliterans](#)
- [Thromboembolism](#)
- [Tuberculosis](#)
- [Tumor Virus Infections](#)
- [Urticaria](#)
- [Uterine Cervical Neoplasms](#)
- [Uveitis](#)
- [Venous Thrombosis](#)
- [Wegener Granulomatosis](#)