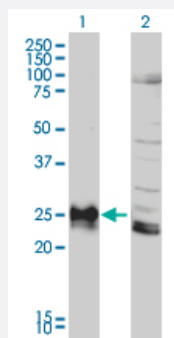


HLA-DPB1 monoclonal antibody (M01), clone 6C6

Catalog # H00003115-M01

Size 100 ug

Applications

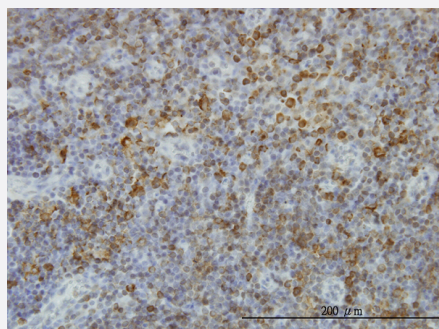


Western Blot (Transfected lysate)

Western Blot analysis of HLA-DPB1 expression in transfected 293T cell line by HLA-DPB1 monoclonal antibody (M01), clone 6C6.

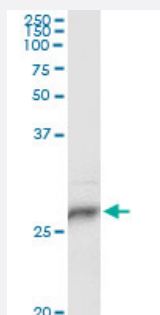
Lane 1: HLA-DPB1 transfected lysate(29 KDa).

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 0.5 ug/ml]

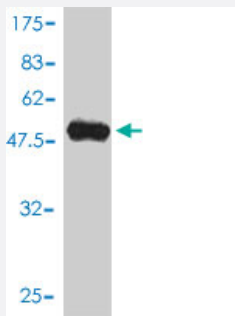
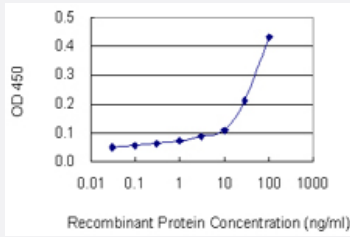


Immunoprecipitation

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 10 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.
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	MMVLQVSAAPRTVALTALLMVLLTSVVQGRATPENIVYQGRQECYAFNGTQRFLERYNNREEYARFDSVDVGEFRAVTELGRPAAEYWNSQKDILEEKRAVPDRVCRHNYELDEAVTLQRRVQPKVNVSPSKKGPLQHNNLLVCHVTDFYPGSIQVRWFLNGQEETAGVVSTNLIRNGDWTFQILVMLEMPQQGDVYICQVEHTSLDSPVTVEWKAQSDSAQSKTLTGAGGFVLGLICGVGIFMHRRSKKVQRGSA
Host	Mouse
Reactivity	Human
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 (M01), clone 6C6.

Lane 1: HLA-DPB1 transfected lysate(29 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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

Immunoperoxidase of monoclonal antibody to HLA-DPB1 on formalin-fixed paraffin-embedded human lymph node. [antibody concentration 0.5 ug/ml]

[Protocol Download](#)

- 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.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HLA-DPB1 is 10 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — HLA-DPB1

Entrez GeneID	3115
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GeneBank Accession#	BC013184
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Protein Accession#	AAH13184
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Gene Name	HLA-DPB1
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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](#)
- [Chronic Disease](#)
- [Coronary Aneurysm](#)
- [Cytomegalovirus Infections](#)
- [Dengue](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Endometriosis](#)
- [Epstein-Barr Virus Infections](#)
- [Exanthema](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Graft vs Host Disease](#)
- [Graves Disease](#)
- [Hematologic Neoplasms](#)
- [Hemophilia A](#)

- [Hemophilia B](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hodgkin Disease](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Leishmaniasis](#)
- [Leukemia](#)
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- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lupus Nephritis](#)
- [Malaria](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [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](#)