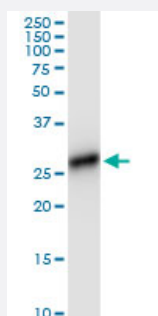


HLA-DRB4 monoclonal antibody (M01A), clone 4C8

Catalog # H00003126-M01A

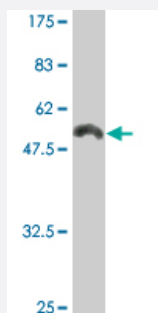
Size 200 uL

Applications



Western Blot (Tissue lysate)

HLA-DRB4 monoclonal antibody (M01A), clone 4C8. Western Blot analysis of HLA-DRB4 expression in human kidney.



Western Blot detection against Immunogen (51.81 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant HLA-DRB4.

Immunogen

HLA-DRB4 (AAH05312, 30 a.a. ~ 266 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

GDTQPRFLEQAKCECRFLNGTERVWNLIRYYNQEEYARYNSDLGEYQAVTELGRPDAEYWNSQK
DLLERRRAEVDITYCRNYGVVESFTVQRRVQPKVTVPYPSKTQPLQHNNLLVCSVNGFYPGSIEVR
WFRNGQEEKAGVVSTGLIQNGDWFQTLVMLETVPRSGEVYTCQVEHPSMMSPLTVQWSARSE
SAQSKMLSGVGGFVLGLLFLGTGLFIYFRNQKGHSGLQPTGLLS

Host

Mouse

Reactivity

Human

Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (51.81 KDa) .
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

HLA-DRB4 monoclonal antibody (M01A), clone 4C8. Western Blot analysis of HLA-DRB4 expression in human kidney.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — HLA-DRB4

Entrez GeneID	3126
GeneBank Accession#	BC005312
Protein Accession#	AAH05312
Gene Name	HLA-DRB4
Gene Alias	DRB4, HLA-DR4B
Gene Description	major histocompatibility complex, class II, DR beta 4
Gene Ontology	Hyperlink

Gene Summary

HLA-DRB4 belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DRA) and a beta (DRB) chain, 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 DR molecule the beta chain contains all the polymorphisms specifying the peptide binding specificities. Typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. DRB1 is expressed at a level five times higher than its paralogues DRB3, DRB4 and DRB5. The presence of DRB4 is linked with allelic variants of DRB1, otherwise it is omitted. There are 4 related pseudogenes: DRB2, DRB6, DRB7, DRB8 and DRB9. [provided by RefSeq]

Other Designations

DRB1 transplantation antigen|HLA DRB1*1202|MHC HLA DR-beta chain|MHC class II HLA-DR-beta-7|MHC class II antigen HLA-DR-beta|MHC class II antigen HLA-DRB1|MHC class2 antigen|class II histocompatibility antigen HLA DR alpha, beta1-0307|human leucocyte anti

Pathway

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

Disease

- [Abortion](#)
- [Abruptio Placentae](#)
- [Alveolar Bone Loss](#)
- [Aortic Aneurysm](#)

- [Asthma](#)
- [Bronchiolitis](#)
- [Cataplexy](#)
- [Churg-Strauss Syndrome](#)
- [Colitis](#)
- [Dementia](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Gingival Hemorrhage](#)
- [Graft vs Host Disease](#)
- [Hallucinations](#)
- [Hepatitis](#)
- [HIV Infections](#)
- [Inflammation](#)
- [Latex Hypersensitivity](#)
- [Leukemia](#)
- [Lewy Body Disease](#)
- [Lupus Erythematosus](#)
- [Narcolepsy](#)
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- [Occupational Diseases](#)
- [Periodontal Attachment Loss](#)
- [Periodontitis](#)
- [Pityriasis Rosea](#)
- [Psoriasis](#)
- [Purpura](#)

- [Recurrence](#)
- [Rhinitis](#)
- [Sarcoidosis](#)
- [Sarcoma](#)
- [Scleroderma](#)
- [Spinal Dysraphism](#)
- [Thyroiditis](#)
- [Tuberculosis](#)
- [Vitiligo](#)