

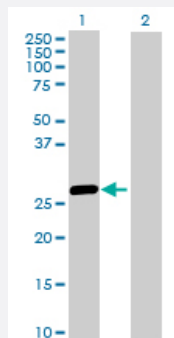
MaxPab®

HLA-DRB5 MaxPab mouse polyclonal antibody (B02)

Catalog # H00003127-B02

Size 50 uL

Applications



Western Blot (Transfected lysate)

Western Blot analysis of HLA-DRB5 expression in transfected 293T cell line ([H00003127-T02](#)) by HLA-DRB5 MaxPab polyclonal antibody.

Lane 1: HLA-DRB5 transfected lysate(29.26 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human HLA-DRB5 protein.
Immunogen	HLA-DRB5 (NP_002116, 1 a.a. ~ 266 a.a) full-length human protein.
Sequence	MVCLKLPGGSYMAKLTVTLMVLSSPLALAGDTRPRFLQQDKYECFFNGTERVRFLHRDYNQEE DLRFDSVDGEYRAVTELGRPDAEYWNSQKDFLEDRAAVDTYCRHNYGVGESFTVQRRVEPKV TVYPARTQLQHHNLLVCSVNGFYPGSIEVRWFRNSQEEKAGVVSTGLIQNGDWTFQTLVMLET VPRSGEVYTCQVEHPSVTSPLTVEWRAQSESAQSKMLSGVGGFVLGLLFLGAGLFYFKNQKGHS GLHPTGLVS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (74); Rat (70)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Note For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

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[Protocol Download](#)

Gene Info — HLA-DRB5

Entrez GeneID [3127](#)

GeneBank Accession# [NM_002125](#)

Protein Accession# [NP_002116](#)

Gene Name HLA-DRB5

Gene Alias -

Gene Description major histocompatibility complex, class II, DR beta 5

Omim ID [604776](#)

Gene Ontology [Hyperlink](#)

Gene Summary

HLA-DRB5 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 DRB5 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

HLA class II histocompatibility antigen, DR-5 beta chain|MHC HLA-DR-beta cell surface glycoprotein|MHC HLA-DR-beta chain|MHC class II HLA beta chain|MHC class II antigen|OTTHUMP0000029035|human leucocyte antigen DRB5|leukocyte antigen class II

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](#)
- [Arthritis](#)
- [Bronchiolitis](#)
- [Celiac Disease](#)
- [Chronic Disease](#)
- [Dementia](#)
- [Diabetes](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Echinococcosis](#)

- [Encephalomyelitis](#)
- [Genetic Predisposition to Disease](#)
- [Gingival Hemorrhage](#)
- [Graft vs Host Disease](#)
- [Hallucinations](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Jaundice](#)
- [Latex Hypersensitivity](#)
- [Leukemia](#)
- [Lewy Body Disease](#)
- [Liver Cirrhosis](#)
- [Liver Diseases](#)
- [Lupus Erythematosus](#)
- [Malaria](#)
- [Multiple Sclerosis](#)
- [Occupational Diseases](#)
- [Periodontal Attachment Loss](#)
- [Periodontitis](#)
- [Pityriasis Rosea](#)
- [Rheumatic Heart Disease](#)
- [Sarcoidosis](#)
- [Sarcoma](#)
- [Schistosomiasis japonica](#)
- [Scleroderma](#)
- [Spinal Dysraphism](#)

- [Tuberculosis](#)