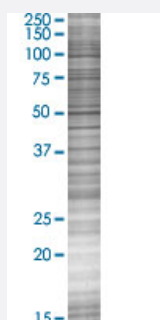


HLA-DRB4 293T Cell Transient Overexpression Lysate(Denatured)

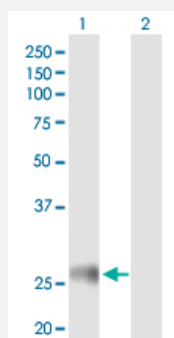
Catalog # H00003126-T01 Size 100 uL

Applications



SDS-PAGE Gel

HLA-DRB4 transfected lysate.



Western Blot

Lane 1: HLA-DRB4 transfected lysate (29.9 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-HLA-DRB4 full-length
Host	Human
Theoretical MW (kDa)	29.9

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-HLA-DRB4 antibody ([H00003126-B01P](#)) by Western Blots.
 SDS-PAGE Gel
 HLA-DRB4 transfected lysate.
 Western Blot
 Lane 1: HLA-DRB4 transfected lysate (29.9 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — HLA-DRB4

Entrez GeneID

[3126](#)

GeneBank Accession#

[NM_021983](#)

Protein Accession#

[NP_068818.4](#)

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](#)
- [Nevus](#)
- [Occupational Diseases](#)
- [Periodontal Attachment Loss](#)
- [Periodontitis](#)
- [Pityriasis Rosea](#)
- [Psoriasis](#)
- [Purpura](#)
- [Recurrence](#)
- [Rhinitis](#)
- [Sarcoidosis](#)
- [Sarcoma](#)
- [Scleroderma](#)
- [Spinal Dysraphism](#)
- [Thyroiditis](#)

- [Tuberculosis](#)
- [Vitiligo](#)