



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## HLA-DRB3 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00003125-T03

規格 : [ 100 uL ]

[List All](#)

### Specification

**Transfected Cell Line:** 293T

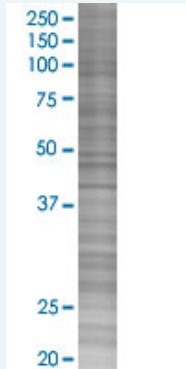
**Plasmid:** pCMV-HLA-DRB3 full-length

**Host:** Human

**Theoretical MW (kDa):** 29.37

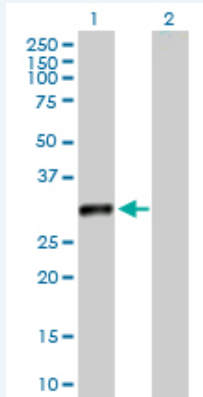
**Quality Control Testing:** Transient overexpression cell lysate was tested with Anti-HLA-DRB3 antibody ([H00003125-B01](#)) by Western Blots.

#### SDS-PAGE Gel



HLA-DRB3 transfected lysate.

#### Western Blot



Lane 1: HLA-DRB3 transfected lysate ( 29.37 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.

**MSDS:**  [Download](#)

### Applications

### Application Image

Western Blot

## Western Blot

### Gene Information

Entrez GeneID: [3125](#)

GeneBank [BC008987](#)  
Accession#:

Protein [AAH08987](#)  
Accession#:

Gene Name: HLA-DRB3

Gene Alias: HLA-DR3B,MGC117330

Gene Description: major histocompatibility complex, class II, DR beta 3

Gene Ontology: [Hyperlink](#)

**Gene Summary:** HLA-DRB3 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 DRB3 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: MHC class II HLA-DR beta 3 chain,MHC class II antigen DR beta 3 chain,human leucocyte antigen DRB3

### Gene 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](#)

### Related Disease

[Abortion, Habitual](#) [Abruptio Placentae](#) [Alveolar Bone Loss](#) [Aortic Aneurysm](#), [Abdominal Arthritis](#), [Juvenile Rheumatoid](#) [Autoimmune Diseases](#) [Blood Group Incompatibility](#)  
[Brain Neoplasms](#) [Breast cancer](#) [Breast Neoplasms](#) [Bronchiolitis](#) [Carcinoma, Small Cell](#)  
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