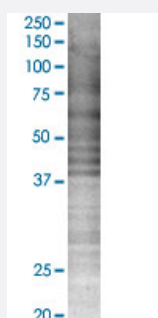


HLA-DRA 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00003122-T03

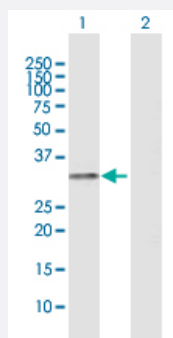
Size 100 uL

Applications



SDS-PAGE Gel

HLA-DRA transfected lysate.



Western Blot

Lane 1: HLA-DRA transfected lysate (28.60 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-HLA-DRA full-length

Host Human

Theoretical MW (kDa) 28.6

Quality Control Testing Transient overexpression cell lysate was tested with Anti-HLA-DRA antibody ([H00003122-D01](#)) by Western Blots.
 SDS-PAGE Gel
 HLA-DRA transfected lysate.
 Western Blot
 Lane 1: HLA-DRA transfected lysate (28.60 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-DRA

Entrez GeneID[3122](#)**GeneBank Accession#**[NM_019111](#)**Protein Accession#**[NP_061984.2](#)**Gene Name**

HLA-DRA

Gene Alias

HLA-DRA1

Gene Description

major histocompatibility complex, class II, DR alpha

Omim ID[142860](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

HLA-DRA is one of the HLA class II alpha chain paralogues. This class II molecule is a heterodimer consisting of an alpha and a beta 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 alpha chain is approximately 33-35 kDa and its gene contains 5 exons. Exon 1 encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, and exon 4 encodes the transmembrane domain and the cytoplasmic tail. DRA does not have polymorphisms in the peptide binding part and acts as the sole alpha chain for DRB1, DRB3, DRB4 and DRB5. [provided by RefSeq]

Other Designations

HLA class II histocompatibility antigen, DR alpha chain|MHC cell surface glycoprotein|histocompatibility antigen HLA-DR alpha

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](#)
- [Alzheimer disease](#)
- [Anticipation](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Atrial Fibrillation](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Cerebral Amyloid Angiopathy](#)
- [Cerebrovascular Accident](#)
- [Colitis](#)
- [Crohn Disease](#)

- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Drug Hypersensitivity](#)
- [Edema](#)
- [Enterovirus Infections](#)
- [Food Hypersensitivity](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hypersensitivity](#)
- [IgA Deficiency](#)
- [Latex Hypersensitivity](#)
- [Lichen Planus](#)
- [Lupus Erythematosus](#)
- [Multiple Sclerosis](#)
- [Myasthenia Gravis](#)
- [Neuroblastoma](#)
- [Obesity](#)
- [Parkinson Disease](#)
- [Respiratory Tract Infections](#)
- [Sarcoidosis](#)
- [Spondylitis](#)
- [Uveomeningoencephalitic Syndrome](#)