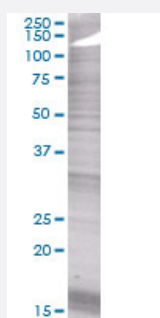


HLA-DPA1 293T Cell Transient Overexpression Lysate(Denatured)

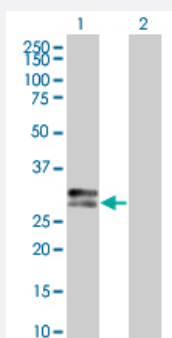
Catalog # H00003113-T01 Size 100 uL

Applications



SDS-PAGE Gel

HLA-DPA1 transfected lysate



Western Blot

Lane 1: HLA-DPA1 transfected lysate (29.3 KDa).

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-HLA-DPA1 full-length
Host	Human
Theoretical MW (kDa)	29.3

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-HLA-DPA1 antibody ([H00003113-B01](#)) by Western Blots.
SDS-PAGE Gel
HLA-DPA1 transfected lysate
Western Blot
Lane 1: HLA-DPA1 transfected lysate (29.3 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-DPA1

Entrez GeneID

[3113](#)

GeneBank Accession#

[BC009956](#)

Protein Accession#

[AAH09956](#)

Gene Name

HLA-DPA1

Gene Alias

HLA-DP1A, HLADP, HLASB

Gene Description

major histocompatibility complex, class II, DP alpha 1

Omim ID

[142880](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

HLA-DPA1 belongs to the HLA class II alpha chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DPA) and a beta (DPB) 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 one encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, exon 4 encodes the transmembrane domain and the cytoplasmic tail. Within the DP molecule both the alpha chain and the beta chain contain the polymorphisms specifying the peptide binding specificities, resulting in up to 4 different molecules. [provided by RefSeq]

Other Designations

HLA class II histocompatibility antigen, DP alpha chain|MHC class II HLA-DPA1 antigen|MHC class II antigen|OTTHUMP00000029066|OTTHUMP00000062983

Pathway

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

Disease

- [Alveolitis](#)
- [Berylliosis](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Cholestasis](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Encephalomyelitis](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Hematologic Neoplasms](#)
- [Hepatitis B](#)

- [HIV Infections](#)
- [HIV Seropositivity](#)
- [Inflammatory Bowel Diseases](#)
- [Leishmaniasis](#)
- [Leukemia](#)
- [Lupus Erythematosus](#)
- [Nasopharyngeal Neoplasms](#)
- [Obesity](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Schistosomiasis japonica](#)