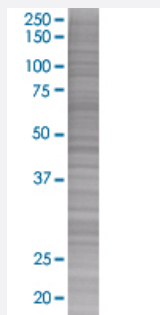


HLA-DOB 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00003112-T01

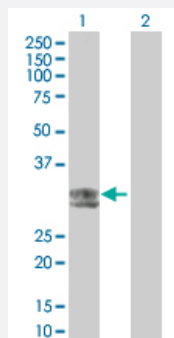
Size 100 uL

Applications



SDS-PAGE Gel

HLA-DOB transfected lysate



Western Blot

Lane 1: HLA-DOB transfected lysate (30.8 KDa).

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-HLA-DOB full-length

Host Human

Theoretical MW (kDa) 30.8

Quality Control Testing Transient overexpression cell lysate was tested with Anti-HLA-DOB antibody ([H00003112-B01](#)) by Western Blots.
SDS-PAGE Gel
HLA-DOB transfected lysate
Western Blot
Lane 1: HLA-DOB transfected lysate (30.8 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-DOB

Entrez GeneID[3112](#)**GeneBank Accession#**[NM_002120](#)**Protein Accession#**[NP_002111](#)**Gene Name**

HLA-DOB

Gene Alias

DOB

Gene Description

major histocompatibility complex, class II, DO beta

Omim ID[600629](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

HLA-DOB belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DOA) and a beta chain (DOB), both anchored in the membrane. It is located in intracellular vesicles. DO suppresses peptide loading of MHC class II molecules by inhibiting HLA-DM. 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. [provided by RefSeq]

Other Designations

HLA class II histocompatibility antigen, DO beta chain|OTTHUMP00000029312|class II beta chain

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

- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)
- [Tobacco Use Disorder](#)