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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

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

Catalog # : H00003106-T01

規格 : [100 uL]

List All

Specification

Transfected Cell Line: 293T

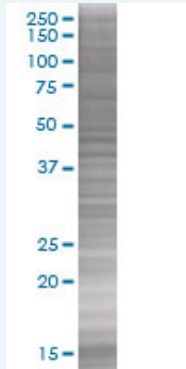
Plasmid: pCMV-HLA-B full-length

Host: Human

Theoretical MW (kDa): 40.5

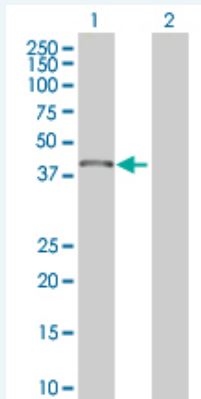
Quality Control Testing: Transient overexpression cell lysate was tested with Anti-HLA-B antibody (H00003106-B01) by Western Blots.

SDS-PAGE Gel



HLA-B transfected lysate

Western Blot



Lane 1: HLA-B transfected lysate (40.5 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

Western Blot

Gene Information

Entrez GeneID: [3106](#)

GeneBank [BC013187](#)
Accession#:

Protein [AAH13187](#)
Accession#:

Gene Name: HLA-B

Gene Alias: AS,HLA-B-7301,HLA-B73,HLAB,HLAC,SPDA1

Gene Description: major histocompatibility complex, class I, B

Omim ID: [106300](#), [142830](#), [608579](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: HLA-B belongs to the HLA class I heavy chain paralogues. This class I molecule is a heterodimer consisting of a heavy chain and a light chain (beta-2 microglobulin). The heavy chain is anchored in the membrane. Class I molecules play a central role in the immune system by presenting peptides derived from the endoplasmic reticulum lumen. They are expressed in nearly all cells. The heavy chain is approximately 45 kDa and its gene contains 8 exons. Exon 1 encodes the leader peptide, exon 2 and 3 encode the alpha1 and alpha2 domains, which both bind the peptide, exon 4 encodes the alpha3 domain, exon 5 encodes the transmembrane region and exons 6 and 7 encode the cytoplasmic tail. Polymorphisms within exon 2 and exon 3 are responsible for the peptide binding specificity of each class one molecule. Typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. Hundreds of HLA-B alleles have been described. [provided by RefSeq]

Other Designations: HLA class I histocompatibility antigen, B alpha chain,HLA class I histocompatibility antigen, B-7 alpha chain,HLA class I histocompatibility antigen, Cw-5 alpha chain,HLA-B alpha chain (HLA-B*7301),MHC Class I HLA heavy chain,MHC HLA-B cell surface glycop

Gene Pathway

[Allograft rejection](#) [Antigen processing and presentation](#) [Autoimmune thyroid disease](#)
[Cell adhesion molecules \(CAMs\)](#) [Endocytosis](#) [Graft-versus-host disease](#)
[Natural killer cell mediated cytotoxicity](#) [Type I diabetes mellitus](#)

Related Disease

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