

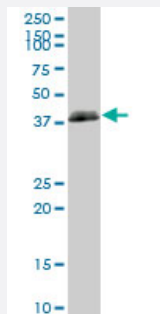
MaxPab®

HLA-B purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00003106-B01P

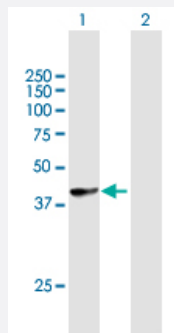
Size 50 ug

Applications



Western Blot (Tissue lysate)

HLA-B MaxPab polyclonal antibody. Western Blot analysis of HLA-B expression in human spleen.



Western Blot (Transfected lysate)

Western Blot analysis of HLA-B expression in transfected 293T cell line ([H00003106-T01](#)) by HLA-B MaxPab polyclonal antibody.

Lane 1: HLA-B transfected lysate(39.82 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human HLA-B protein.

Immunogen

HLA-B (AAH13187.1, 1 a.a. ~ 362 a.a) full-length human protein.

Sequence

MRVTAPRTVLLLLSGALALTETWAGSHSMRYFYTAMSRPGRGEPFISVGYYDDTQFVRFDSDA
ASPREEPRAPWIEQEGPEYWDRTNTQICKTNTQTYRESLRNLRGYNNQSEAGSHTLQRMYGCDVG
PDGRLLRGHDQYAYDGKDYALNEDLSSWTAADTAAQITQRKWEAAREAEQLRAYLEGLCVEWL
RRYLENGKETLQRADPPKTHVTHHPISDHEATLRCWALGFYPAEITLTWQRDGEDQTQDTEL VET
RPGDRTFQKWA AVVVP SGEEQRYTCHVQHEGLPKPLTLRWEPSQSSTIPVGMAGLAVLAVVVI
GAVVATVMCRRKSSGGKGGSYSQAASSDSAQGSVDVSLTA

Host

Mouse

Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

HLA-B MaxPab polyclonal antibody. Western Blot analysis of HLA-B expression in human spleen.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of HLA-B expression in transfected 293T cell line ([H00003106-T01](#)) by HLA-B MaxPab polyclonal antibody.

Lane 1: HLA-B transfected lysate(39.82 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — HLA-B

Entrez GeneID	3106
GeneBank Accession#	BC013187
Protein Accession#	AAH13187.1
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

Publication Reference

- [A viral, transporter associated with antigen processing \(TAP\)-independent, high affinity ligand with alternative interactions endogenously presented by the nonclassical human leukocyte antigen E class I molecule.](#)

Lorente E, Infantes S, Abia D, Barnea E, Beer I, García R, Lasala F, Jiménez M, Mir C, Morreale A, Admon A, López D.

The Journal of Biological Chemistry 2012 Oct; 287(42):34895.

Application: Flow Cyt, Human, T2 cells

- [MULTIPLE VIRAL LIGANDS NATURALLY PRESENTED BY DIFFERENT CLASS I MOLECULES IN TRANSPORTER ANTIGEN PROCESSING-DEFICIENT VACCINIA VIRUS-INFECTED CELLS.](#)

Lorente E, Infantes S, Barnea E, Beer I, Garcia R, Lasala F, Jimenez M, Vilches C, Lemonnier FA, Admon A, Lopez D.

Journal of Virology 2012 Jan; 86(1):527.

Application: Flow Cyt, Human, T2 cells

- [Allele-dependent Processing Pathways Generate the Endogenous Human Leukocyte Antigen \(HLA\) Class I Peptide Repertoire in Transporters Associated with Antigen Processing \(TAP\)-deficient Cells.](#)

Lorente E, Garcia R, Lopez D.

The Journal of Biological Chemistry 2011 Nov; 286(44):38054.

Application: Flow Cyt, Human, T2 cells

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](#)

Disease

- [Abortion](#)
- [Abruptio Placentae](#)
- [Achievement](#)
- [Acquired Immunodeficiency Syndrome](#)
- [Acute Disease](#)
- [Addison Disease](#)
- [Adenocarcinoma](#)
- [Adenovirus Infections](#)
- [Adrenal hyperplasia](#)
- [Agranulocytosis](#)
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- [Alcoholism](#)
- [Alopecia Areata](#)
- [Alveolar Bone Loss](#)
- [Anemia](#)
- [Aortic Aneurysm](#)
- [Aortic Diseases](#)

- [Arterial Occlusive Diseases](#)
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- [Asthma](#)
- [Atherosclerosis](#)
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- [Autoimmune Diseases](#)
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- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiectasis](#)
- [Bronchiolitis](#)
- [Brucellosis](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Cerebrovascular Accident](#)
- [Cervical Intraepithelial Neoplasia](#)
- [Chagas Cardiomyopathy](#)
- [Chagas Disease](#)

- [Chlamydophila Infections](#)
- [Cholangitis](#)
- [Choroidal Neovascularization](#)
- [Chronic Disease](#)
- [Churg-Strauss Syndrome](#)
- [Colitis](#)
- [Common Variable Immunodeficiency](#)
- [Complex Regional Pain Syndromes](#)
- [Conjunctivitis](#)
- [Connective Tissue Diseases](#)
- [Coronary Aneurysm](#)
- [Coronary Artery Disease](#)
- [Crohn Disease](#)
- [Cystic fibrosis](#)
- [Cytomegalovirus Infections](#)
- [Cytomegalovirus Retinitis](#)
- [Dengue](#)
- [Dermatitis](#)
- [Dermatomyositis](#)
- [Diabetes Mellitus](#)
- [Disease](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Drug Eruptions](#)
- [Drug Hypersensitivity](#)
- [Drug Toxicity](#)

- [Duchenne muscular dystrophy](#)
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- [Graft vs Host Disease](#)
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- [Heart Failure](#)
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- [Hematologic Diseases](#)
- [Hematologic Neoplasms](#)
- [Hemochromatosis](#)
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- [Hemophilia A](#)
- [Hemophilia B](#)
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- [Hepatitis](#)
- [Hepatitis A](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
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- [Hereditary hemochromatosis](#)
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- [HIV Infections](#)
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- [Hyperplasia](#)

- [Hypersensitivity](#)
- [Hypertension](#)
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- [IgG Deficiency](#)
- [Infant](#)
- [Infection](#)
- [Infectious Mononucleosis](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
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- [Joint Diseases](#)
- [Keloid](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Knee Injuries](#)
- [Lambert-Eaton Myasthenic Syndrome](#)
- [Leprosy](#)
- [Leptospirosis](#)
- [Leukemia](#)
- [Leukemia-Lymphoma](#)
- [Lipodystrophy](#)
- [Liver Cirrhosis](#)
- [Lung carcinoma](#)
- [Lung Diseases](#)
- [Lung Neoplasms](#)

- [Lupus Erythematosus](#)
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- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Macular Degeneration](#)
- [Malaria](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Moyamoya Disease](#)
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- [Myasthenia Gravis](#)
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- [Myelodysplastic Syndromes](#)
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- [Pars Planitis](#)
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- [Periodontitis](#)
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- [Pityriasis Rosea](#)
- [Polymyositis](#)
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- [Porphyria Cutanea Tarda](#)

- [Postoperative Complications](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Prostate cancer](#)
- [Proteinuria](#)
- [Psoriasis](#)
- [Psychotic Disorders](#)
- [Pulmonary Disease](#)
- [Pulmonary Embolism](#)
- [Pulmonary Fibrosis](#)
- [Purpura](#)
- [Q Fever](#)
- [Recurrence](#)
- [Respiratory Tract Infections](#)
- [Retinal Diseases](#)
- [Retroperitoneal Fibrosis](#)
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- [Rheumatic Heart Disease](#)
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- [Skin Neoplasms](#)

- [Skin Ulcer](#)
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