

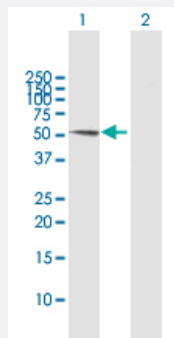
MaxPab®

HLA-C MaxPab rabbit polyclonal antibody (D01)

Catalog # H00003107-D01

Size 100 uL

Applications

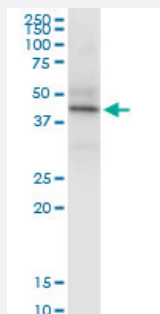


Western Blot (Transfected lysate)

Western Blot analysis of HLA-C expression in transfected 293T cell line ([H00003107-T01](#)) by HLA-C MaxPab polyclonal antibody.

Lane 1: HLA-C transfected lysate(40.80 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of HLA-C transfected lysate using anti-HLA-C MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with HLA-C purified MaxPab mouse polyclonal antibody (B01P) ([H00003107-B01P](#)).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human HLA-C protein.

Immunogen

HLA-C (AAH02463.1, 1 a.a. ~ 366 a.a) full-length human protein.

Sequence

MRVMAPRTLILLLSGALALTETWACSHSMRYFYTAVSRPGRGEPRIAIVGYVDDTQFVRFDSDAA
SPRGEPRAPWVEQEGPEYWDRETQKYKRQAQTDRVSLRNLRGYYNQSEAGSHTLQWMYGCDL
GPDGRLLRGYDQSAYDGKDYIALNEDLRSWTAADTAAQITQRKWEAARAAEQRAYLEGTCVEW
LRRYLENGKETLQRAEHPKTHVTHHLVSDHEATLRCWALGFYPAEITLTWQRDGEDQTQDTELVE
TRPAGDGTFFQKWAAVVVPSSGEEQRYTCHVQHEGLPEPLTLRWEPPSSQPTIPVGMAGLAVLAVL
AVLGAVVAVVMCRRKSSGGKGGSCSQAASSNSAQGSDESILACKA

Host

Rabbit

Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunoprecipitation

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[Protocol Download](#)

Gene Info — HLA-C

Entrez GeneID	3107
GeneBank Accession#	BC002463
Protein Accession#	AAH02463.1
Gene Name	HLA-C
Gene Alias	D6S204, FLJ27082, HLA-Cw, HLA-Cw12, HLA-JY3, HLC-C, PSORS1
Gene Description	major histocompatibility complex, class I, C
Omim ID	142840 177900
Gene Ontology	Hyperlink

Gene Summary

HLA-C 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 endoplasmic reticulum lumen. They are expressed in nearly all cells. The heavy chain is approximately 45 kDa and its gene contains 8 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the alpha1 and alpha2 domain, 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. Over one hundred HLA-C alleles have been described [provided by RefSeq]

Other Designations

HLA class I antigen|HLA class I heavy chain|HLA class I histocompatibility antigen, C alpha chain|HLA-C (Cw*1201)|HLA-Cw*050x|MHC class I HLA-C|MHC class I HLA-Cw*0803|MHC class I antigen HLA-C|MHC class I antigen heavy chain HLA-C|MHC class I protein HLA

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](#)
- [Acquired Immunodeficiency Syndrome](#)
- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Alcoholism](#)
- [Alopecia Areata](#)

- [Alveolar Bone Loss](#)
- [Anemia](#)
- [Arthritis](#)
- [Asthma](#)
- [Autoimmune Diseases](#)
- [Behcet Syndrome](#)
- [beta-Thalassemia](#)
- [Bipolar Disorder](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Celiac Disease](#)
- [Chagas Cardiomyopathy](#)
- [Cholangitis](#)
- [Chronic Disease](#)
- [Colitis](#)
- [Conjunctivitis](#)
- [Connective Tissue Diseases](#)
- [Coronary Aneurysm](#)
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- [Dengue](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)

- [Disease Susceptibility](#)
- [Diseases in Twins](#)
- [Drug Eruptions](#)
- [Drug Hypersensitivity](#)
- [Drug Toxicity](#)
- [Endometriosis](#)
- [Epidermal Necrolysis](#)
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- [Eye Infections](#)
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- [Gastritis](#)
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- [Genetic Predisposition to Disease](#)
- [Gingival Hemorrhage](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Goiter](#)
- [Gonorrhea](#)
- [Graft vs Host Disease](#)
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- [Helicobacter Infections](#)
- [Hematologic Neoplasms](#)

- [Hemoglobinuria](#)
- [Hemophilia A](#)
- [Hemophilia B](#)
- [Hepatitis](#)
- [Hepatitis A](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Hepatitis D](#)
- [HIV Infections](#)
- [HIV Seropositivity](#)
- [HTLV-I Infections](#)
- [Hypersensitivity](#)
- [Infection](#)
- [Infectious Mononucleosis](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Joint Diseases](#)
- [Keloid](#)
- [Kidney Failure](#)
- [Knee Injuries](#)
- [Leg Dermatoses](#)
- [Leprosy](#)
- [Leptospirosis](#)
- [Leukemia](#)
- [Lipodystrophy](#)
- [Liver Cirrhosis](#)

- [Liver Diseases](#)
- [Liver Neoplasms](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Myasthenia Gravis](#)
- [Myelodysplastic Syndromes](#)
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- [Osteoporosis](#)

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- [Periodontitis](#)
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- [Postoperative Complications](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Prostate cancer](#)
- [Psoriasis](#)
- [Recurrence](#)
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- [Salivary Gland Diseases](#)
- [Scalp Dermatoses](#)
- [Schizophrenia](#)

- [Scleroderma](#)
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- [Skin Neoplasms](#)
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- [Spondylarthropathies](#)
- [Spondylitis](#)
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- [Tenosynovitis](#)
- [Thalassemia](#)
- [Thrombophlebitis](#)
- [Thyroid Neoplasms](#)
- [Tumor Virus Infections](#)
- [Urticaria](#)
- [Uterine Cervical Neoplasms](#)
- [Uveitis](#)
- [Uveomeningoencephalitic Syndrome](#)
- [Vasculitis](#)
- [Viremia](#)
- [Vitiligo](#)
- [Wounds and Injuries](#)