

MaxPab®

HLA-G purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00003135-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human HLA-G protein.
Immunogen	HLA-G (ABW03643.1, 1 a.a. ~ 338 a.a) full-length human protein.
Sequence	MVVMAPRTLFLLLSGALTLTETWAGSHSMRYFSAAVSRPSRGEPFIAMGYVDDTQFVRFDSDS ACPRMEPRAPWVEREGPEYWEEETRNKAHAQTDRMNLQTLRGYNNQSEASSHTLQWMIGCDL GSDGRLLRGYEQYAYDGKDYALNEDLRSWTAADTAAQISKRKCEAANVAEQRRAYLEGTCVEW LHRYLENGKEMLQRADPPKTHVTHHPVFDYEATLRCWALGFYPAEILLTWQRDGEDQTQDVELVE TKPAGDGTGFKWAAVVVPSGEEQRYTCHVQHEGLPEPLMLRWKQSSLPTIPIMGIVAGLVVLA VTGAAVAVALWRKKSSD
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 (Transfected lysate)

[Protocol Download](#)

Gene Info — HLA-G

Entrez GeneID [3135](#)

GeneBank Accession# [EU176192.1](#)

Protein Accession#	ABW03643.1
Gene Name	HLA-G
Gene Alias	MHC-G
Gene Description	major histocompatibility complex, class I, G
Omim ID	142871 600807
Gene Ontology	Hyperlink
Gene Summary	HLA-G 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. HLA-G is expressed on fetal derived placental 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 exon 6 encodes the cytoplasmic tail. [provided by RefSeq]
Other Designations	HLA class I molecule HLA-G histocompatibility antigen, class I, G MHC class I antigen OTTHUMP00000039485 b2 microglobulin

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](#)
- [Anemia](#)

- [Arthritis](#)
- [Asthma](#)
- [Autoimmune Diseases](#)
- [Behcet Syndrome](#)
- [Birth Weight](#)
- [Bronchial Hyperreactivity](#)
- [Carcinoma](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Cervical Intraepithelial Neoplasia](#)
- [Cholestasis](#)
- [Chorioamnionitis](#)
- [Colitis](#)
- [Coronary Aneurysm](#)
- [Crohn Disease](#)
- [Cytomegalovirus Infections](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Ductus Arteriosus](#)
- [Eclampsia](#)
- [Edema](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [Gastrointestinal Diseases](#)
- [Genetic Predisposition to Disease](#)

- [Graft vs Host Disease](#)
- [Hepatitis](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Infection](#)
- [Infertility](#)
- [Lupus Erythematosus](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Multiple Sclerosis](#)
- [Obstetric Labor](#)
- [Papillomavirus Infections](#)
- [Photosensitivity Disorders](#)
- [Pneumonia](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prenatal Exposure Delayed Effects](#)
- [Psoriasis](#)
- [Purpura](#)
- [Sarcoidosis](#)
- [Thalassemia](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)

- [Uterine Cervical Neoplasms](#)