

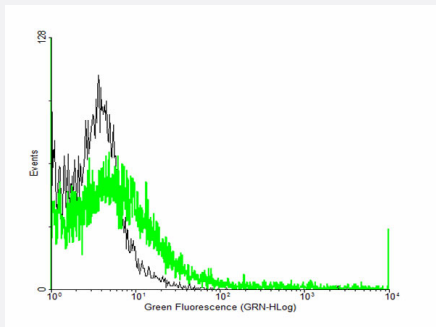
MaxPab®

HLA-E purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00003133-B01P

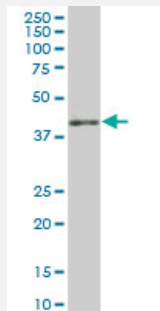
Size 50 ug

Applications



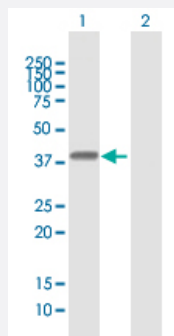
Flow Cytometry

FACS analysis of negative control 293 cells (Black) and HLA-E expressing 293 cells (Green) using HLA-E purified MaxPab mouse polyclonal antibody.



Western Blot (Tissue lysate)

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



Western Blot (Transfected lysate)

Western Blot analysis of HLA-E expression in transfected 293T cell line ([H00003133-T01](#)) by HLA-E MaxPab polyclonal antibody.

Lane 1: HLA-E transfected lysate(39.38 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

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

Immunogen	HLA-E (AAH02578.1, 1 a.a. ~ 358 a.a) full-length human protein.
Sequence	MVDGTL L L L L L S E A L A L T Q T W A G S H S L K Y F H T S V S R P G R G E P R F I S V G Y V D D T Q F V R F D N D A A S P R M V P R A P W M E Q E G S E Y W D R E T R S A R D T A Q I F R V N L R T L R G Y N Q S E A G S H T L Q W M H G C E L G P D R R F L R G Y E Q F A Y D G K D Y L T L N E D L R S W T A V D T A A Q I S E Q K S N D A S E A E H Q R A Y L E D T C V E W L H K Y L E K G K E T L L H L E P P K T H V T H H P I S D H E A T L R C W A L G F Y P A E I T L T W Q Q D G E G H T Q D T E L V E T R P A G D G T F Q K W A A V V P S G E E Q R Y T C H V Q H E G L P E P V T L R W K P A S Q P T I P V G I I A G L V L L G S V V S G A V V A A V I W R K K S S G G K G G S Y S K A E W S D S A Q G S E S H S L
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (69); Rat (62)
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

- Flow Cytometry

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- Western Blot (Tissue lysate)

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

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of HLA-E expression in transfected 293T cell line ([H00003133-T01](#)) by HLA-E MaxPab polyclonal antibody.

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Lane 2: Non-transfected lysate.

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Gene Info — HLA-E

Entrez GeneID

[3133](#)

GeneBank Accession#	BC002578
Protein Accession#	AAH02578.1
Gene Name	HLA-E
Gene Alias	DKFZp686P19218, EA1.2, EA2.1, HLA-6.2, MHC, QA1
Gene Description	major histocompatibility complex, class I, E
Omim ID	143010
Gene Ontology	Hyperlink
Gene Summary	HLA-E 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-E binds a restricted subset of peptides derived from the leader peptides of other class I molecules. 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 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. [provided by RefSeq]
Other Designations	HLA class I histocompatibility antigen, E alpha chain MHC HLA-E alpha-1 MHC HLA-E alpha-2.1 MHC class I antigen OTTHUMP00000029214 lymphocyte antigen

Pathway

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- [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

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- [Acute Disease](#)
- [Anemia](#)
- [Bacterial Infections](#)
- [Behcet Syndrome](#)
- [Bone Marrow Diseases](#)
- [Carcinoma](#)
- [Chorioamnionitis](#)
- [Coronary Aneurysm](#)
- [Cytomegalovirus Infections](#)
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- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
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