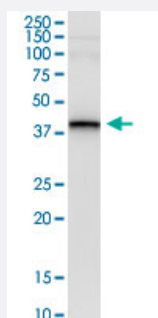


HLA-E (Human) IP-WB Antibody Pair

Catalog # H00003133-PW2

Size 1 Set

Applications



Immunoprecipitation of HLA-E transfected lysate using rabbit purified polyclonal anti-HLA-E and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with mouse purified polyclonal anti-HLA-E.

Specification

Product Description	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
Reactivity	Human
Interspecies Antigen Sequence	Mouse (67%); Rat (62%)
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of HLA-E transfected lysate using rabbit purified polyclonal anti-HLA-E and Protein A Magnetic Bead (U0007), and immunoblotted with mouse purified polyclonal anti-HLA-E.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: rabbit purified polyclonal anti-HLA-E (300 ug) 2. Antibody pair for WB: mouse purified polyclonal anti-HLA-E (50 ug)
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- Immunoprecipitation-Western Blot

[Protocol Download](#)

Gene Info — HLA-E

Entrez GeneID [3133](#)

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

- [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](#)
- [Acute Disease](#)
- [Anemia](#)
- [Bacterial Infections](#)
- [Behcet Syndrome](#)
- [Bone Marrow Diseases](#)
- [Carcinoma](#)
- [Chorioamnionitis](#)
- [Coronary Aneurysm](#)
- [Cytomegalovirus Infections](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [HIV Infections](#)
- [Lupus Erythematosus](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasms](#)
- [Obstetric Labor](#)
- [Postoperative Complications](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Spondylitis](#)