

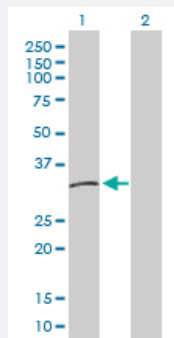
MaxPab®

HLA-DMB purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00003109-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of HLA-DMB expression in transfected 293T cell line ([H00003109-T03](#)) by HLA-DMB MaxPab polyclonal antibody.

Lane 1: HLA-DMB transfected lysate(28.90 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human HLA-DMB protein.
Immunogen	HLA-DMB (NP_002109.1, 1 a.a. ~ 263 a.a) full-length human protein.
Sequence	MITFLPLLLGLSLGCTGAGGFVAHVESTCLDDAGTPKDFTYCISFNKDLLTCWDPEENKMAPCE FGVLNSLANVLSQHLNQKDTLMQRLRNGLQNCATHTQPFWGSLTNRTRPPSVQVAKTTPFNTRE PVMLACYVWGFYPAEVTITWRKNGKLVMPHSSAHKTAQPNGDWTYQTLSHLALTPSYGDTYTCV VEHIGAPEPILRDWTPGLSPMQTLKVSVAVTLGLGLIIFSLGVISWRRAGHSSYTPLPGSNYSEGW HIS
Host	Rabbit
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.

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[Protocol Download](#)

Gene Info — HLA-DMB

Entrez GeneID [3109](#)

GeneBank Accession# [NM_002118](#)

Protein Accession# [NP_002109.1](#)

Gene Name HLA-DMB

Gene Alias D6S221E, RING7

Gene Description major histocompatibility complex, class II, DM beta

Omim ID [142856](#)

Gene Ontology [Hyperlink](#)

Gene Summary HLA-DMB belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DMA) and a beta (DMB) chain, both anchored in the membrane. It is located in intracellular vesicles. DM plays a central role in the peptide loading of MHC class II molecules by helping to release the CLIP (class II-associated invariant chain peptide) molecule from the peptide binding site. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). The beta chain is approximately 26-28 kDa and its gene contains 6 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, exon 4 encodes the transmembrane domain and exon 5 encodes the cytoplasmic tail. [provided by RefSeq]

Other Designations MHC class II HLA-DMB|MHC class II antigen HLA-DM beta chain|OTTHUMP00000029257|class II histocompatibility antigen, M beta chain

Publication Reference

- [The non-classical major histocompatibility complex II protein SLA-DM is crucial for African swine fever virus replication.](#)

Katrin Pannhorst, Jolene Carlson, Julia E Hölper, Finn Grey, John Kenneth Baillie, Dirk Höper, Elisabeth Wöhnke, Kati Franzke, Axel Karger, Walter Fuchs, Thomas C Mettenleiter.

Scientific Reports 2023 Aug; 13(1):10342.

Application: WB, Human, HEK-293 T cells

Pathway

- [Allograft rejection](#)
- [Antigen processing and presentation](#)
- [Asthma](#)
- [Autoimmune thyroid disease](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [Graft-versus-host disease](#)
- [Systemic lupus erythematosus](#)
- [Type I diabetes mellitus](#)

Disease

- [Antiphospholipid Syndrome](#)
- [Arthritis](#)
- [Cardiovascular Diseases](#)
- [Condylomata Acuminata](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)

- [Lupus Erythematosus](#)
- [Measles](#)
- [Psoriasis](#)