

Recombinant Human HLA-DMB Protein, MYC/DDK-tagged

Cat. No. HLA-DMB-324H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HLA-DMB fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	27.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	HLA-DMB major histocompatibility complex, class II, DM beta [Homo sapiens]
Official Symbol	HLA-DMB
Synonyms	HLA-DMB; major histocompatibility complex, class II, DM beta; HLA class II histocompatibility antigen, DM beta chain; D6S221E; RING7; MHC class II HLA-DMB; MHC class II antigen DMB; really interesting new gene 7 protein; MHC class II antigen HLA-DM beta chain; class II histocompatibility antigen, M beta chain;
Gene ID	3109
mRNA Refseq	NM_002118
Protein Refseq	NP_002109
MIM	142856
UniProt ID	P28068

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