

Recombinant Human HLA-DMB Protein, GST-tagged

Cat. No. HLA-DMB-4837H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HLA-DMB partial ORF (NP_002109, 22 a.a. - 129 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
ProteinLength	22-129 a.a.
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. [provided by RefSeq
Molecular Mass	37.62 kDa
AA Sequence	VAHVESTCLLDDAGTPKDFTYCISFNKDLLTCWDPEENKMAPCEFGVLNSLANVLSQ HLNQKDTLMQRLRNGLQNCATHTQPFWGSLTNRTRPPSVQVAKTTPFNTRE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

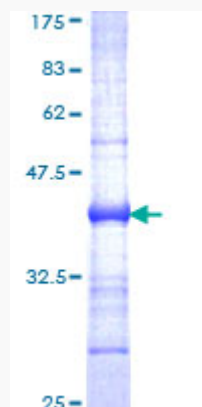
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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