



Anti-HLA-DMB (aa 22-129) polyclonal antibody (DPAB-DC1562)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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.
Immunogen	HLA-DMB (NP_002109, 22 a.a. ~ 129 a.a) partial recombinant protein with GST tag. The sequence is VAHVESTCLDDAGTPKDFTYCISFNKDLLTCWDPEENKMAPCEFGVLNSLANVLSQHNLN QKDTLMQRLRNGLQNCATHTQPFWGSLTNRTRPPSVQVAKTTPFNTRE
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	HLA-DMB major histocompatibility complex, class II, DM beta [Homo sapiens (human)]
Official Symbol	HLA-DMB
Synonyms	HLA-DMB; major histocompatibility complex, class II, DM beta; RING7; D6S221E; HLA class II histocompatibility antigen, DM beta chain; 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;
Entrez Gene ID	3109
Protein Refseq	NP_002109
UniProt ID	P28068
Chromosome Location	6p21.3
Pathway	Adaptive Immune System; Allograft rejection; Antigen processing and presentation; Asthma
Function	MHC class II protein complex binding;