



Anti-HLA-DMA (full length) polyclonal antibody (DPAB-DC1561)

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

PRODUCT INFORMATION

Antigen Description	HLA-DMA belongs to the HLA class II alpha chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DMA) and a beta chain (DMB), 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 molecule from the peptide binding site. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). The alpha chain is approximately 33-35 kDa and its gene contains 5 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, exon 4 encodes the transmembrane domain and the cytoplasmic tail.
Immunogen	HLA-DMA (AAH11447, 1 a.a. ~ 261 a.a) full-length recombinant protein with GST tag. The sequence is MGHEQNQGAALLQMLPLLWLLPHSWAVPEAPTPMWPDDLQNHTFLHTVYCQDGSPSVGLS EAYDEDQLFFDFSQNTRVPRLPEFADWAQEQGDAPAILFDKEFCEWMIQQIGPKLDGKI PVSRGFPIAEVFTLKPLEFGKPNTLVCFVSNLFPPMLTVNWQHHSVPVEGFGPTFVSAVD GLSFQAFSYLNFTPEPSDIFSCIVTHEIDRYTAIAYWVPRNALPSDLLENVLCGVAFLG VLGIIVGIVLIYFRKPCSGD
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	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-DMA major histocompatibility complex, class II, DM alpha [Homo sapiens (human)]
Official Symbol	HLA-DMA
Synonyms	HLA-DMA; major histocompatibility complex, class II, DM alpha; DMA; HLADM; RING6; D6S222E; HLA class II histocompatibility antigen, DM alpha chain; MHC class II antigen DMA; really interesting new gene 6 protein; class II histocompatibility antigen, M alpha chain;
Entrez Gene ID	3108
Protein Refseq	NP_006111
UniProt ID	Q31604
Chromosome Location	6p21.3
Pathway	Adaptive Immune System; Allograft rejection; Antigen processing and presentation; Asthma
Function	MHC class II protein complex binding;