Recombinant Human HLA-DMA, GST-tagged

Cat. No. HLA-DMA-13812H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HLA-DMA protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	21-261a.a.
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.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

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

GENE INFORMATION

Gene Name	HLA-DMA major histocompatibility complex, class II, DM alpha [Homo sapiens]
Official Symbol	HLA-DMA
Synonyms	HLA-DMA; major histocompatibility complex, class II, DM alpha; HLA class II histocompatibility antigen, DM alpha chain; D6S222E; RING6; MHC class II antigen DMA; really interesting new gene 6 protein; class II histocompatibility antigen, M alpha chain; DMA; HLADM;
Gene ID	3108
mRNA Refseq	NM_006120
Protein Refseq	NP_006111
MIM	142855
UniProt ID	P28067
Chromosome Location	6p21.3
Pathway	Adaptive Immune System, organism-specific biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Asthma, organism-specific biosystem; Asthma, conserved biosystem;

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