

## HLA-DMA

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**Reactivity:**Human

**Tested applications:**WB

**Recommended Dilution:**WB 1:500 - 1:2000

**Calculated MW:**29kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human HLA-DMA

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

DMA; HLADM; RING6; D6S222E;

**Catalog #:**A6922

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**3108

**Isotype:**IgG

**Swiss Prot:**P28067

**Purity:**Affinity purification

For research use only.

**Background:**

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.

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