

For Research Use Only

HLA-DMA Polyclonal antibody

Catalog Number: 11838-1-AP



Basic Information

Catalog Number: 11838-1-AP	GenBank Accession Number: BC026279	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3108	Recommended Dilutions: WB 1:500-1:1000 IHC 1:200-1:800
Source: Rabbit	Full Name: major histocompatibility complex, class II, DM alpha	
Isotype: IgG	Calculated MW: 261 aa, 29 kDa	
Immunogen Catalog Number: AG2452	Observed MW: 55-60 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : rat spleen tissue, human liver tissue

IHC : human tonsillitis tissue,

Background Information

Human major histocompatibility complex (MHC) antigens, also referred to as human leukocyte antigens (HLA), are encoded by genes located on the short arm of chromosome 6 (6p21.3). There are two classes of HLA antigens: class I (HLA-A, B and C) and class II (HLA-D). The class II molecules are composed of two non-covalently associated alpha and beta chains. HLA-DMA and HLA-DMB form a functional heterodimer that is critical in the pathway of class II antigen presentation. HLA-DM plays a critical role in catalyzing the release of Class II HLA-associated invariant chain-derived peptides (CLIP) from newly synthesized class II HLA molecules and freeing the peptide binding site for acquisition of antigenic peptides. This antibody recognizes the 33kd HLA-DMA and the 50-60kd dimer in Western blotting.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

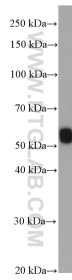
For technical support and original validation data for this product please contact:

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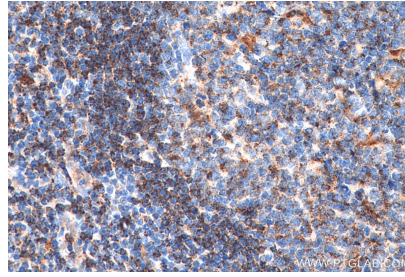
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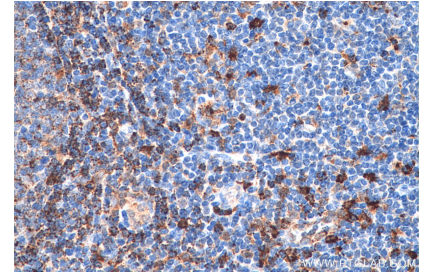
Selected Validation Data



rat spleen tissue were subjected to SDS PAGE followed by western blot with 11838-1-AP (HLA-DMA antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 11838-1-AP (HLA-DMA antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 11838-1-AP (HLA-DMA antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).