

HLA-DMA Recombinant antibody

Catalog Number: 82899-2-RR

Basic Information

Catalog Number: 82899-2-RR	GenBank Accession Number: BC026279	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 3108	CloneNo.: 230155E7
Source: Rabbit	UNIPROT ID: Q31604	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:200-1:800
Isotype: IgG	Full Name: major histocompatibility complex, class II, DM alpha	
Immunogen Catalog Number: AG2452	Calculated MW: 261 aa, 29 kDa	
	Observed MW: 30 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: Human	WB : Daudi cells, Ramos cells, Raji cells
	IHC : human colon tissue,

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

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.

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

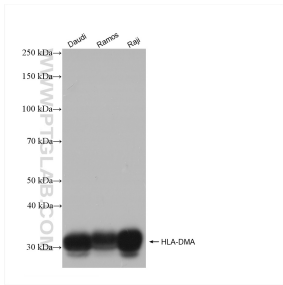
For technical support and original validation data for this product please contact:

T: 4006900926

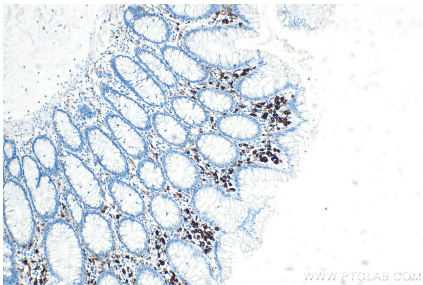
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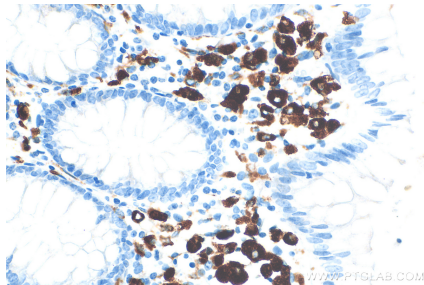
Selected Validation Data



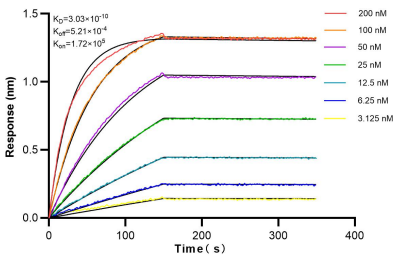
Various lysates were subjected to SDS PAGE followed by western blot with 82899-2-RR (HLA-DMA antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 82899-2-RR (HLA-DMA antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 82899-2-RR (HLA-DMA antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 82899-2-RR against Human HLA-DMA were performed. The affinity constant is 0.303 nM.