

Anti-HLA-DPA1 Antibody (1R272)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse
Molecular Weight:	Theoretical: 26 kDa.
Clone:	1R272
Purification:	Protein A purified

Applications

Verified Activity:	1. Blocking buffer: 5% NFDm/TBST
	Primary ab dilution: 1:1000
	Primary ab incubation condition: 2 hours at room temperature
	Lysate: Mouse spleen
	Protein loading quantity: 20 µg
	Exposure time: 60 s
	Predicted MW: 29 kDa
	Observed MW: 33 kDa
	2. Tissue: Human tonsil
	Section type: Formalin fixed & Paraffin-embedded section
	Retrieval method: High temperature and high pressure
	Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:1000
Primary ab incubation condition: 1 hour at room temperature	
Counter stain: Hematoxylin	
Comment: Color brown is the positive signal for TMAB-07161	
3. Tissue: Human lymphoma	
Section type: Formalin fixed & Paraffin-embedded section	
Retrieval method: High temperature and high pressure	
Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:1000	
Primary ab incubation condition: 1 hour at room temperature	
Counter stain: Hematoxylin	
Comment: Color brown is the positive signal for TMAB-07161	
Application:	WB,IHC-P,IHC-Fr,ICC/IF,IF
Recommended	WB: 1:500-2000; IHC-P: 1:200-1000; IHC-Fr: 1:200-1000; ICC/IF: 1:50-200; IF: 1:200-1000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human HLA-DPA1
Antigen Species: Human
Gene ID: 3113
Uniprot ID: P20036

Research Background

HLA-DPA1 belongs to the HLA class II alpha chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DPA) and a beta (DPB) chain, both anchored in the membrane. It plays a central role in the immune system by presenting peptides derived from extracellular proteins. 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. Within the DP molecule both the alpha chain and the beta chain contain the polymorphisms specifying the peptide binding specificities, resulting in up to 4 different molecules. [provided by RefSeq, Jul 2008]

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