Data Sheet (Cat.No.TMAC-01975)

Anti-HLA-DQA1 Antibody (6J773)

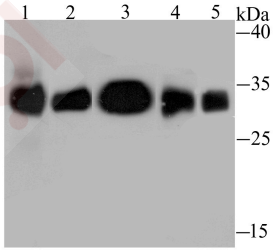
Product Details

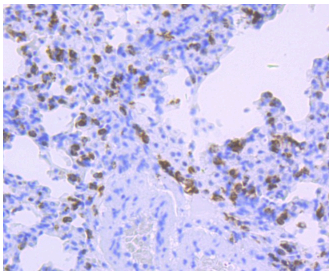
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 28 kDa.
Clone:	6J773
Purification:	ProA affinity purified

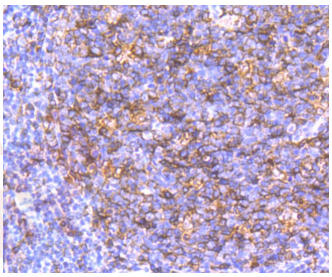
Applications

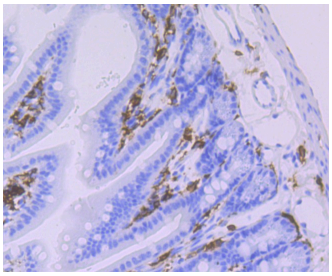
Verified Activity:

1. Western blot analysis of HLA-DQA1 on different lysates using anti-HLA-DQA1 antibody at 1/1,000 dilution. Positive control: Lane 1: Rat lung, Lane 2: Rat skin, Lane 3: Mouse thymus, Lane 4: Mouse spleen, Lane 5: Raji.
2. Immunohistochemical analysis of paraffin-embedded rat lung tissue using anti-HLA-DQA1 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-HLA-DQA1 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-HLA-DQA1 antibody. Counter stained with hematoxylin.









Application:	IHC,IP,WB
Recommended	WB: 1:1000-5000; IHC: 1:50-200; IP: 1:10-50

Properties

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

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	P01909
Synonyms:	HLA-DCA;HLA class II histocompatibility antigen, DQ alpha 1 chain;DC-1 alpha chain;HLA-DQA1;MHC class II DQA1;DC-alpha;DQ alpha 1 chain

Research Background

Major histocompatibility complex, class II, DQ alpha 1, also known as HLA-DQA1, is a human gene present on short arm of chromosome 6 (6p21.3) and also denotes the genetic locus which contains this gene. The protein encoded by this gene is one of two proteins that are required to form the DQ heterodimer, a cell surface receptor essential to the function of the immune system.HLA-DQA1 belongs to the HLA class II alpha chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DQA) and a beta chain (DQB), 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.

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