

Anti-HLA-DPB1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse
Molecular Weight:	Theoretical: 29 kDa. Actual: 29 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. Sample: Lymph node (Mouse) Lysate at 40 µg Primary: Anti-MHC Class II/HLA DMB (TMAB-07162) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 29 kD Observed band size: 29 kD</p> <p>2. Sample: Spleen (Mouse) Lysate at 40 µg Primary: Anti-HLA DMB (TMAB-07162) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 29 kD Observed band size: 29 kD</p> <p>3. Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-MHC Class II/HLA-DPB1 Polyclonal Antibody, Unconjugated (TMAB-07162) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining</p> <p>4. Blank control: Mouse spleen. Primary Antibody (green line): Rabbit Anti-MHC Class II/HLA DMB/AF647 Conjugated antibody (TMAB-07162-AF647) Dilution: 0.2 µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG-AF647.</p> <p>Protocol The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 0.1% PBST for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. The cells were stained with Primary Antibody for 30 min at room temperature. Acquisition of 20,000 events was performed.</p>
Application:	WB,IHC-P,IHC-Fr,IF,FCM
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 0.2µg/Test

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-DPB1

Antigen Species: Human

Gene ID: 3115

Uniprot ID: P04440

Research Background

HLA-DMB belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DMA) and a beta (DMB) chain, 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 (class II-associated invariant chain peptide) molecule from the peptide binding site. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). The beta chain is approximately 26-28 kDa and its gene contains 6 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, exon 4 encodes the transmembrane domain and exon 5 encodes the cytoplasmic tail. [provided by RefSeq, Jul 2008]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481