

For Research Use Only

HLA-DMB Recombinant antibody

Catalog Number: 82922-1-RR



Basic Information

Catalog Number:

82922-1-RR

Size:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16320

GenBank Accession Number:

BC027175

GeneID (NCBI):

3109

UNIPROT ID:

P28068

Full Name:

major histocompatibility complex,
class II, DM beta

Calculated MW:

263 aa, 29 kDa

Observed MW:

31 kDa

Purification Method:

Protein A purification

CloneNo.:

230123A3

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, FC, ELISA

Species Specificity:

Human

Positive Controls:

WB: Raji cells, Daudi cells, Ramos cells

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:

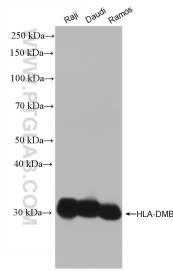
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E: Proteintech-CN@ptglab.com

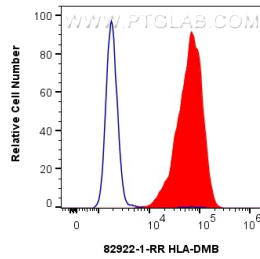
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82922-1-RR (HLA-DMB antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



1x10⁶ Raji cells were intracellularly stained with 0.4 ug HLA-DMB Recombinant antibody (82922-1-RR, Clone: 230123A3) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.4 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).