

HLA-DRA Rabbit mAb

Catalog No.: A10863 **Recombinant** **1 Publications**

Basic Information

Observed MW

33kDa

Calculated MW

29kDa

Category

Primary antibody

Applications

ELISA,WB,IHC-P

Cross-Reactivity

Human

CloneNo number

ARC0518

Background

HLA-DRA is one of the HLA class II alpha chain paralogues. This class II molecule is a heterodimer consisting of an alpha and a beta chain, both anchored in the membrane. This molecule is expressed on the surface of various antigen presenting cells such as B lymphocytes, dendritic cells, and monocytes/macrophages, and plays a central role in the immune system and response by presenting peptides derived from extracellular proteins, in particular, pathogen-derived peptides to T cells. The alpha chain is approximately 33-35 kDa and its gene contains 5 exons. Exon 1 encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, and exon 4 encodes the transmembrane domain and the cytoplasmic tail. DRA does not have polymorphisms in the peptide binding part and acts as the sole alpha chain for DRB1, DRB3, DRB4 and DRB5.

Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:1000 - 1:5000

Immunogen Information

Gene ID

3122

Swiss Prot

P01903

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 100-200 of human HLA-DRA (P01903).

Synonyms

HLA-DRA1; HLA-DRA

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

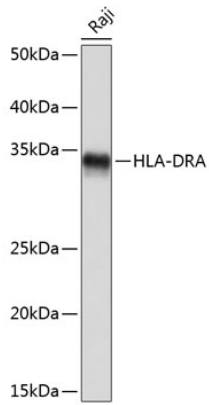
Affinity purification

Storage

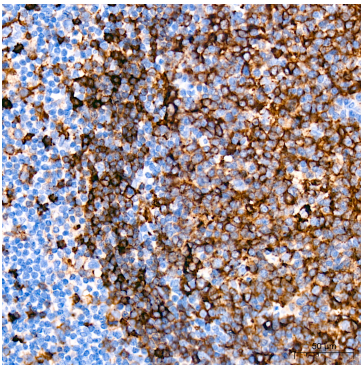
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

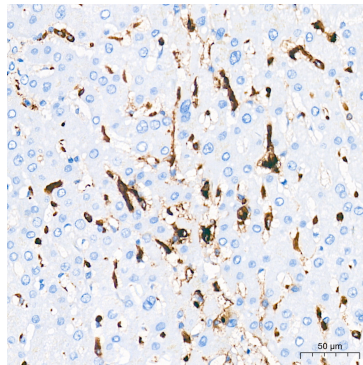
Validation Data



Western blot analysis of lysates from Raji cells, using HLA-DRA Rabbit mAb (A10863) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.



Immunohistochemistry analysis of HLA-DRA in paraffin-embedded human tonsil tissue using HLA-DRA Rabbit mAb (A10863) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of HLA-DRA in paraffin-embedded human liver tissue using HLA-DRA Rabbit mAb (A10863) at a dilution of 1:1600 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.