Recombinant HLA-DR Monoclonal Antibody

catalog number: **AN300950L**

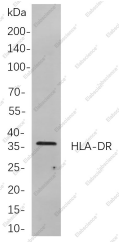
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human HLA-DR protein
Host	Rabbit
Isotype	Rabbit IgG
Clone	C110574
Purification	Protein A
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
IHC	1:1000-1:4000
WB	1:1000-1:5000
IF	1:200-1:1000
ELISA	1:5000-1:20000

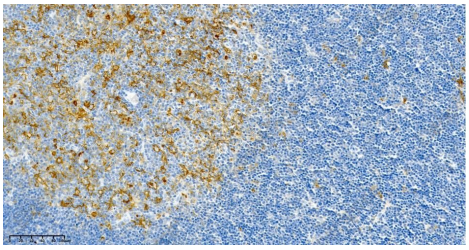
Data



Western Blot with Recombinant HLA-DR Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: Daudi cells.

Observed-MW:37 kDa

Calculated-MW:29 kDa



Immunohistochemistry of paraffin-embedded rat thymus using Recombinant HLA-DR Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

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. 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 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.

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