

A Reliable Research Partner in Life Science and Medicine

# **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

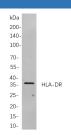
HostRabbitIsotype $IgG,\kappa$ CloneB701PurificationProtein A

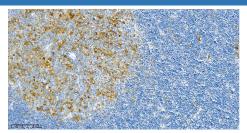
Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications Recommended Dilution

IHC 1:1000-1:4000 WB 1:1000-1:5000

#### Data





Western Blot with Recombinant HLA-DR Monoclonal Immunohistochemistry of paraffin-embedded rat thymus Antibody at dilution of 1:1000 dilution. Lane A: Daudi cells. using Recombinant HLA-DR Monoclonal Antibody at dilution Observed-MW:37 kDa of 1:200.

Calculated-MW:29 kDa

## **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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