

Product Datasheet

HLA-DRA Antibody



Catalog No: CY5707

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB IHC ICC FC

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Information

UniProt ID: P01903

All Names: HLA-DR; MLRW; HLA-DRA1; MHC class II antigen DRA; HLA class II histocompatibility antigen, DR alpha chain; HLA DRB1; DRA;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 29 kDa

Application

WB: 1:1000~1:5000

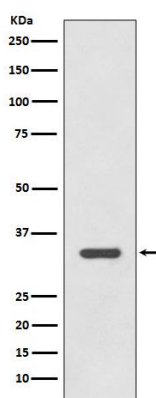
IHC: 1:50~1:200

ICC: 1:50~1:200

FC: 1:50

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. [provided by RefSeq, Jul 2008]



Western blot analysis of HLA-DRA expression in Raji cell lysate.

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