

HLA-DRB1 Rabbit pAb

Catalog NO.: A7685 **1 Publications**

Basic Information

Observed MW

30kDa

Calculated MW

30kDa

Category

Polyclonal Antibodies

Applications

WB, ELISA

Cross-Reactivity

Human, Mouse

Conjugation

Unconjugated

Background

HLA-DRB1 belongs to the HLA class II beta chain paralogs. The class II molecule is a heterodimer consisting of an alpha (DRA) and a beta chain (DRB), 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. The beta chain is approximately 26-28 kDa. It is encoded by 6 exons. Exon one encodes the leader peptide; exons 2 and 3 encode the two extracellular domains; exon 4 encodes the transmembrane domain; and exon 5 encodes the cytoplasmic tail. Within the DR molecule the beta chain contains all the polymorphisms specifying the peptide binding specificities. Hundreds of DRB1 alleles have been described and some alleles have increased frequencies associated with certain diseases or conditions. For example, DRB1*1302 has been related to acute and chronic hepatitis B virus persistence. There are multiple pseudogenes of this gene.

Recommended Dilutions

WB 1:500 - 1:2000

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

3123

Swiss Prot

P01911/P01912/Q29974

Immunogen

Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms

SS1; DRB1; HLA-DRB; HLA-DR1B; HLA-DRB1

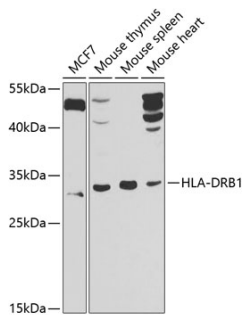
Contact

Product Information

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Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles.	
	Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.	

Validation Data



Western blot analysis of various lysates using HLA-DRB1 Rabbit pAb (A7685) at 1:1000 dilution._Secondary antibody: HRP-conjugated 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: 30s.

