

Anti-HLA-DRB1 antibody

Cat. No.	ml164189
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-HLA-DRB1 rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Synthetic peptide of human HLA-DRB1
Reactivity	Human
Content	1.08 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	HLA-DRB1
Full name	major histocompatibility complex, class II, DR beta 1
Synonyms	SS1; DRB1; HLA-DRB; HLA-DR1B
Swissprot	P20039

Target Background

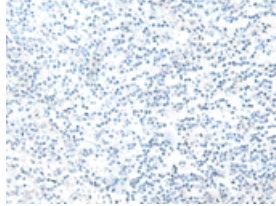
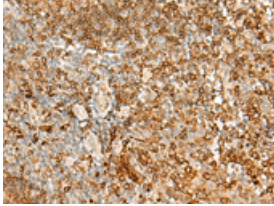
HLA-DRB1 belongs to the HLA class II beta chain paralogs. The class II molecule is a heterodimer consisting of an alpha (DRA) and a beta chain (DRB), both anchored in the membrane. It plays a central role in the immune system by presenting peptides derived from extracellular proteins. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). 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 typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. DRB1 is expressed at a level five times higher than its paralogs DRB3, DRB4 and DRB5. DRB1 is present in all individuals. Allelic variants of DRB1 are linked with either none or one of the genes DRB3, DRB4 and DRB5. There are 4 related pseudogenes: DRB2, DRB6, DRB7, DRB8 and DRB9.

订购热线: 4008-898-798

Applications

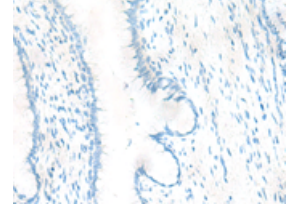
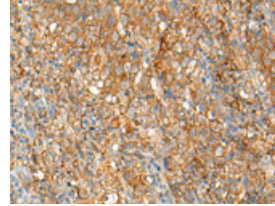
Immunohistochemistry

Predicted cell location: Cytoplasm and Cell membrane
Positive control: Human tonsil
Recommended dilution: 40-200



The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using ml164189(HLA-DRB1 Antibody) at dilution 1/35, on the right is treated with synthetic peptide. (Original magnification: ×200)

Predicted cell location: Cytoplasm and Cell membrane
Positive control: Human cervical cancer
Recommended dilution: 40-200



The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using ml164189(HLA-DRB1 Antibody) at dilution 1/35, on the right is treated with synthetic peptide. (Original magnification: ×200)

ELISA

Recommended dilution: 5000-10000

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