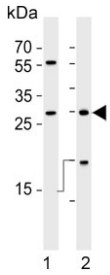
HLA-DRB1 Antibody (F54895)

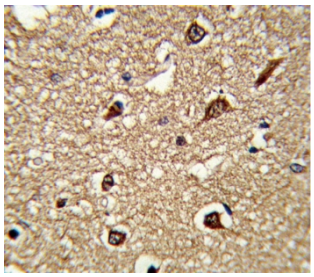
Catalog No.	Formulation	Size
F54895-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54895-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

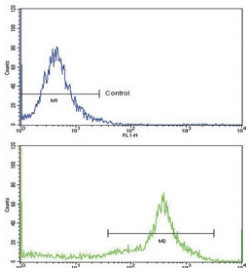
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P04229
Localization	Cytoplasmic, membranous
Applications	Western Blot : 1:500-1:1000 Immunohistochemistry (FFPE) : 1:10-1:50 Flow Cytometry : 1:10-1:50 (1x10e6 cells)
Limitations	This HLA-DRB1 antibody is available for research use only.



Western blot testing of human 1) NCI-H1299 and 2) Raji cell lysate with HLA-DRB1 antibody. Predicted molecular weight ~30 kDa.



IHC testing of FFPE human tonsil tissue with HLA-DRB1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human WiDr cells with HLA-DRB1 antibody; Blue=isotype control, Green= HLA-DRB1 antibody.

Description

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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the HLA-DRB1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 30-58 from the human protein was used as the immunogen for the HLA-DRB1 antibody.

Storage

Aliquot the HLA-DRB1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.