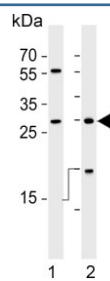


## HLA-DRB1 Antibody (F54895)

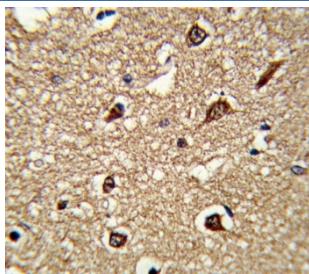
| Catalog No.   | Formulation                                | Size    |
|---------------|--|---------|
| F54895-0.4ML  | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml  |
| F54895-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

**Bulk quote request**

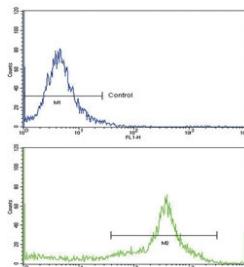
|                           |   |
|---------------------------|---|
| <b>Availability</b>       | 1-3 business days   |
| <b>Species Reactivity</b> | Human   |
| <b>Format</b>             | Purified  |
| <b>Host</b>               | Rabbit  |
| <b>Clonality</b>          | Polyclonal (rabbit origin)  |
| <b>Isotype</b>            | Rabbit Ig   |
| <b>Purity</b>             | Antigen affinity purified   |
| <b>UniProt</b>            | P04229  |
| <b>Localization</b>       | Cytoplasmic, membranous   |
| <b>Applications</b>       | Western Blot : 1:500-1:1000<br>Immunohistochemistry (FFPE) : 1:10-1:50<br>Flow Cytometry : 1:10-1:50 (1x10e6 cells) |
| <b>Limitations</b>        | 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.