

HLA-DQ Antibody (MHC II) [clone SPV-L3] (V2581)

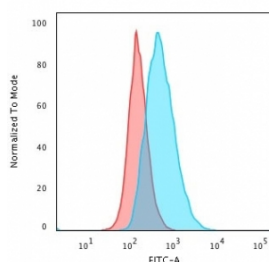
| Catalog No. | Formulation | Size |
|----------------|--|--------|
| V2581-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V2581-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V2581SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |



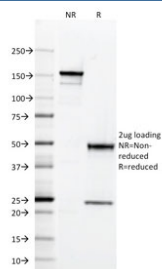
Citations (10)

Bulk quote request

| | |
|---------------------------|---|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Purified |
| Clonality | Monoclonal (mouse origin) |
| Isotype | Mouse IgG2a, kappa |
| Clone Name | SPV-L3 |
| Purity | Protein G affinity chromatography |
| UniProt | P01908, P01909, P01920 |
| Localization | Cell surface |
| Applications | Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml |
| Limitations | This HLA-DQ antibody is available for research use only. |



Flow cytometry testing of human Raji cells with HLA-DQ antibody (clone SPV-L3); Red=isotype control, Blue= HLA-DQ antibody.



SDS-PAGE analysis of purified, BSA-free HLA-DQ antibody (clone SPV-L3) as confirmation of integrity and purity.

Description

Recognizes a DQ antigen, which is a dimer of 60kDa. The class II molecule is a heterodimer consisting of an alpha (DQA) and a beta chain (DQB), 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 33-35kDa. It is encoded by 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. Within the DQ molecule both the alpha chain and the beta chain contain the polymorphisms specifying the peptide binding specificities, resulting in up to four different molecules. Typing for these polymorphisms is routinely done for bone marrow transplantation.

Application Notes

Optimal dilution of the HLA-DQ antibody should be determined by the researcher.

Immunogen

The T4-positive CTL clone HG-38 was used as the immunogen for the HLA-DQ antibody.

Storage

Store the HLA-DQ antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).