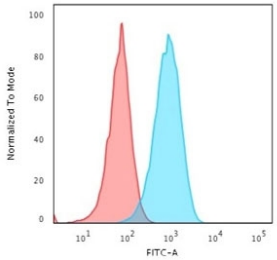
HLA-DR Antibody (MHC II) [clone 19-26.1 or MB-26.1] (V2585)

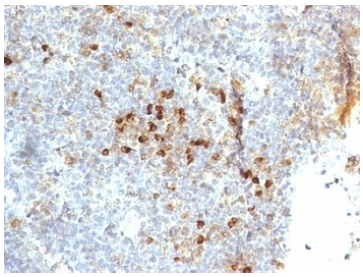
Catalog No.	Formulation	Size
V2585-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2585-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2585SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2585IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

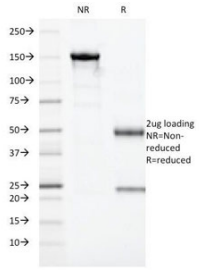
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	19-26.1 or MB-26.1
Purity	Protein G affinity chromatography
UniProt	P01903
Localization	Cell surface
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This HLA-DR antibody is available for research use only.



Flow cytometry staining of human Raji cells with HLA-DR antibody (clone 19-26.1 or MB-26.1); Red=isotype control, Blue= HLA-DR antibody.



IHC: Formalin-fixed, paraffin-embedded human tonsil stained with HLA-DR antibody (clone 19-26.1 or MB-26.1).



SDS-PAGE Analysis of Purified, BSA-Free HLA-DR Antibody (clone 19-26.1 or MB-26.1). Confirmation of Integrity and Purity of the Antibody.

Description

This mAb reacts with the HLA-DR antigen, a member of MHC class II molecules. It does not cross react with HLA-DP and HLA-DQ. HLA-DR is a heterodimeric cell surface glycoprotein comprised of a 36kDa alpha (heavy) chain and a 28kDa beta (light) chain. It is expressed on B-cells, activated T-cells, monocytes/macrophages, dendritic cells and other non-professional APCs. In conjunction with the CD3/TCR complex and CD4 molecules, HLA-DR is critical for efficient peptide presentation to CD4+ T cells. It is an excellent histiocytic marker in paraffin sections producing intense cytoplasmic staining. True histiocytic neoplasms are similarly positive. HLA-DR antigens also occur on a variety of epithelial cells and their corresponding neoplastic counterparts.

Application Notes

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

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Raji cells were used as the immunogen for the HLA-DR antibody.

Storage

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