

HLA-DPB1 Antibody (MHC II) [clone BraFB6] (V2578)

Catalog No.	Formulation	Size
V2578-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2578-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2578SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

 [Citations \(10\)](#)
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Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	BraFB6
Purity	Protein G affinity chromatography
UniProt	P04440
Localization	Cell surface
Applications	ELISA : 2-4ug/ml for coating (order BSA/sodium azide-free format) Flow Cytometry : 1-2ug/10 ⁶ cells Immunofluorescence : 1-2ug/ml
Limitations	This HLA-DPB1 antibody is available for research use only.



Description

Recognizes a non-polymorphic determinant of DP-MHC class II. MHC class II antigens are transmembrane glycoproteins of non-covalently linked alpha (33-35kDa) and beta (27-30kDa) chains. It reportedly reacts with B- & non-T, non-B cell lines but not with T- and myeloid cell lines and leukemias. Differential expression of MHC class II antigens on fetal and adult lymphocytes, malignant B cells appears to reflect the stage of cell differentiation which may be useful in the study of lymphoproliferative disorders.

Application Notes

Optimal dilution of the HLA-DPB1 antibody should be determined by the researcher.

1. Staining of formalin/paraffin tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min.

Immunogen

Non-T, non-B human acute lymphoblastic leukemia REH6 cell line was used as the immunogen for the HLA-DPB1 antibody.

Storage

Store the HLA-DPB1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).