

Datasheet for ABIN6296633
anti-HLA-DPB1 antibody



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Overview

Quantity:	100 µg
Target:	HLA-DPB1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HLA-DPB1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	Mouse anti-Human HLA-DP + HLA-DQ + HLA-DR Antibody (MHC II) [Sodium Azide Free]
Immunogen:	Human tonsil cells were used as the immunogen for the HLA-DP/DQ/DR antibody.
Specificity:	Cytoplasmic and cell surface
Purification:	Human tonsil cells were used as the immunogen for the HLA-DP/DQ/DR antibody.

Target Details

Target:	HLA-DPB1
Alternative Name:	HLA class II histocompatibility antigen, DP beta 1 chain (HLA-DPB1 Products)
Background:	Target Description: This mAb reacts with a common epitope of human major histocompatibility (MHC) class II antigens, HLA-DP, -DQ and -DR. Human MHC class II antigens are transmembrane glycoproteins composed of an alpha chain (36 kDa) and a beta chain (27 kDa). They are expressed primarily on antigen presenting cells such as B lymphocytes, monocytes,

Target Details

macrophages, and thymic epithelial cells and are also present on activated T lymphocytes. Human MHC class II genes are located in the HLA-D region that encodes at least six alpha and ten beta chain genes. Three loci, DR, DQ and DP, encode the major expressed products of the human class II region. The human MHC class II molecules bind intracellularly processed peptides and present them to T-helper cells. They, therefore, have a critical role in the initiation of the immune response. It has been shown that some auto-immune diseases are associated with certain class II alleles.

Gene Symbol: HLA-DPB1///HLA-DP1B///HLA-DQA1///HLA-DQB1///HLA-DQB///HLA-DRA///HLA-DRA1

UniProt:	P04440 , P01909 , P01920 , P01903
Pathways:	TCR Signaling , Cancer Immune Checkpoints , Human Leukocyte Antigen (HLA) in Adaptive Immune Response

Application Details

Application Notes:	WB: 1-2 µg/mL Immunofluorescence: 0.5-1 µg/mL Immunohistochemistry (FFPE): 1-2 µg/mL for 30 min at RT
Restrictions:	For Research Use only

Handling

Buffer:	In 1X PBS, BSA free, sodium azide free
Preservative:	Azide free
Storage:	4 °C,-20 °C
Storage Comment:	2-8°C. The azide-free format should be aliquoted and stored at -20°C or colder.