



Datasheet for ABIN5579986 anti-HLA-DPB1 antibody



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1 Image

Overview

Quantity:	100 µg
Target:	HLA-DPB1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HLA-DPB1 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Mouse monoclonal antibody raised against native human HLA-DP/HLA-DR.
Immunogen:	Human REH cells.
Clone:	Bra-14
Isotype:	IgG3
Specificity:	Reacts with a common epitope of human major histocompatibility (MHC) class II antigens, HLA-DP and HLA-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, 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 and ten chain genes. Three loci, DP, DQ and DR, encode the major expressed products of the human class II region. The human MHC

Product Details

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 autoimmune diseases are associated with certain class II alleles.

Cross-Reactivity: Human

Target Details

Target: HLA-DPB1

Alternative Name: HLA-DPB1 ([HLA-DPB1 Products](#))

Background: Full Gene Name: major histocompatibility complex, class II, DP beta 1
Synonyms: DPB1,HLA-DP1B

Gene ID: 3115, 3122

Pathways: [TCR Signaling](#), [Cancer Immune Checkpoints](#)

Application Details

Application Notes: Flow Cytometry (0.5-1 µg/10⁶ cells in 0.1 mL)
Immunofluorescence (0.5-1 µg/mL)
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 µg/mL)
The optimal working dilution should be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

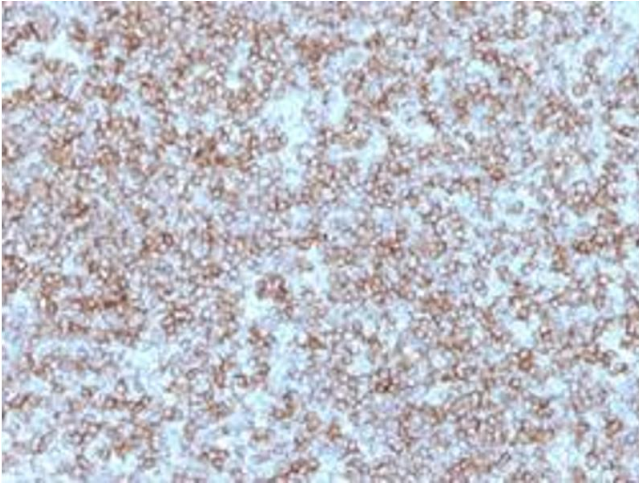
Buffer: In 10 mM PBS (0.05 % BSA, 0.05 % sodium azide).

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: Store at 4°C.



Immunohistochemistry

Image 1. Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with HLA-DP/HLA-DR monoclonal antibody, clone Bra-14 .