

Datasheet for ABIN7539821
anti-HLA-DPB1 antibody (AA 30-215)



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Overview

Quantity:	100 µL
Target:	HLA-DPB1
Binding Specificity:	AA 30-215
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HLA-DPB1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	HLA-DPB1 Antibody
Immunogen:	Purified recombinant fragment of human HLA-DPB1 (AA: 30-215) expressed in E. Coli.
Clone:	5C9F4
Isotype:	IgG1
Purification:	Purified antibody

Target Details

Target:	HLA-DPB1
Alternative Name:	HLA-DPB1 (HLA-DPB1 Products)
Background:	HLA-DPB belongs to the HLA class II beta chain paralogues. This class II molecule is a

Target Details

heterodimer consisting of an alpha (DPA) and a beta chain (DPB), 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 beta chain is approximately 26-28 kDa and its gene contains 6 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, exon 4 encodes the transmembrane domain and exon 5 encodes the cytoplasmic tail. Within the DP molecule both the alpha chain and the beta chain contain the polymorphisms specifying the peptide binding specificities, resulting in up to 4 different molecules.

Molecular Weight:	29.2 kDa
Gene ID:	3115
UniProt:	P04440
Pathways:	TCR Signaling , Cancer Immune Checkpoints , Human Leukocyte Antigen (HLA) in Adaptive Immune Response

Application Details

Application Notes:	ELISA: 1/10000 FCM: 1/200 - 1/400
Restrictions:	For Research Use only

Handling

Buffer:	Purified antibody in PBS with 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, -20 °C
Storage Comment:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.