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Datasheet for ABIN7539812
anti-HLA-DPA1 antibody (AA 29-209)

Overview

Quantity:	100 µL
Target:	HLA-DPA1
Binding Specificity:	AA 29-209
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HLA-DPA1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	HLA-DPA1 Antibody
Immunogen:	Purified recombinant fragment of human HLA-DPA1 (AA: 29-209) expressed in E. Coli.
Clone:	6C3D8
Isotype:	IgG2b
Purification:	Purified antibody

Target Details

Target:	HLA-DPA1
Alternative Name:	HLA-DPA1 (HLA-DPA1 Products)
Background:	Description: HLA-DPA1 belongs to the HLA class II alpha chain paralogues. This class II

Target Details

molecule is a heterodimer consisting of an alpha (DPA) and a beta (DPB) chain, 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 alpha chain is approximately 33-35 kDa and its gene contains 5 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, exon 4 encodes the transmembrane domain and 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.

Aliases: DPA1, PLT1, HLADP, HLASB, DP(W3), DP(W4), HLA-DPA, HLA-DP1A, HLA-DPB1

Molecular Weight: 29.3 kDa

Gene ID: 3113

UniProt: [P20036](#)

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.