Datasheet

HLA-DPB1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog Number: H00003115-B01P

Regulatory Status: For research use only (RUO)

Product Description: Mouse polyclonal antibody raised against a full-length human HLA-DPB1 protein.

Immunogen: HLA-DPB1 (NP_002112.3, 1 a.a. ~ 258 a.a) full-length human protein.

Sequence:
MMVLQVSAAPRTVALTALLMVLLTSVVQGRATPENYL
FQGRQECYAFNGTQRFLERYIYNREEFARFDSDVGEF
RAVTELGRPAAEYWNSQKDILEEKRAVPDRMCRHNY
ELGGPMTLQRRVQPRVNVSPSKKGPLQHHNLLVCHV
TDFYPGSIQVRWFLNGQEETAGVVSTNLIRNGDWTFQ
ILVMLEMTPQQGDVYTCQVEHTSLDSPVTVEWKAQSD
SARSKTLTGAGGFVLGLIICGVGIFMHRRSKKVQRGSA

Host: Mouse

Reactivity: Human

Applications: WB-Ti, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3115

Gene Symbol: HLA-DPB1

Gene Alias: DPB1, HLA-DP1B

Gene Summary: HLA-DPB belongs to the HLA class II beta chain paralogues. This class II molecule is a 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. [provided by RefSeq]