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Datasheet

HLA-DQB1 MaxPab mouse polyclonal antibody (B01)

Catalog Number: H00003119-B01

Regulation Status: For research use only (RUO)

Product Description: Mouse polyclonal antibody raised against a full-length human HLA-DQB1 protein.

Immunogen: HLA-DQB1 (AAH12106, 1 a.a. ~ 261 a.a) full-length human protein.

Sequence:
MSWKKALRIPGGLRVATVTLMLAMLSTPVAEGRDSPE
DFVYQFKGMCYFTNGTERVRLVTRYIYNREEYARFDS
DVGVYRAVTPLGPPAAEYWNSQKEVLERTRAELDTVC
RHNYQLELRTTLQRRVEPTVTISPSRTEALNHHNLLVC
SVTDFYPAQIKVRWFRNDQEETTGVVSTPLIRNGDWT
FQILVMLEMTPQRGDVYTCHVEHPSLQNPIIVEWRAQ
SESAQSKMLSGIGGFVLGLIFLGLGLIIHHRSQKGLLH

Host: Mouse

Reactivity: Human

Applications: Flow Cyt, 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: No additive

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

Entrez GeneID: 3119

Gene Symbol: HLA-DQB1

Gene Alias: CELIAC1, HLA-DQB, IDDM1

Gene Summary: HLA-DQB1 belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DQA) and a beta chain (DQB), 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 it 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 DQ molecule both the alpha chain and the beta chain contain the polymorphisms specifying the peptide binding specificities, resulting in up to 4 different molecules. Typing for these polymorphisms is routinely done for bone marrow transplantation. [provided by RefSeq]