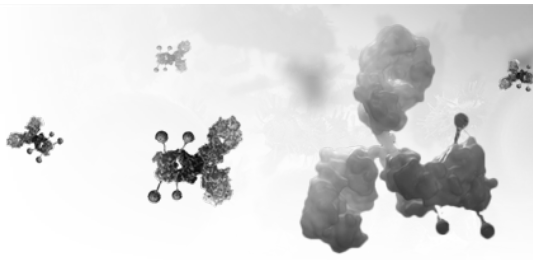

Mouse anti-Human HLA-DQB2 monoclonal antibody, clone 5D4 (CABT-B10405)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	HLA-DQB2 (AAH31995, 1 a.a. ~ 232 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	5D4
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	MSWKMALQIPGGFWAAAVTVMLVMLSTPVAEARDFPKDFLVQFKGMCYFTNGTERVRGVA RYIYNREEYGRFDSDVGEFQAVTELGRSIEDWNNYKDFLEQERAAVDKVCRHNYEAELRT TLQRQVEPTVTISPSRTEALNHHNLLVCSVTDFYPAQIKVQWFRNDQEETAGVVSTSLIR NGDWTFQILVMLEITPQRGDIYTCQVEHPSLQSPITVEWRPRGPPPAGLLH*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

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Introduction	HLA-DQB2 belongs to the family of HLA class II beta chain paralogs. Class II molecules are heterodimers consisting of an alpha (DQA) and a beta chain (DQB), both anchored in the membrane. They play 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). Polymorphisms in the alpha and beta chains specify the peptide binding specificity, and typing for these polymorphisms is routinely done for bone marrow transplantation. However this gene, HLA-DQB2, is not routinely typed, as it is not thought to have an effect on transplantation. There is conflicting evidence in the literature and public sequence databases for the protein-coding capacity of HLA-DQB2. Because there is evidence of transcription and an intact ORF, HLA-DQB2 is represented in Entrez Gene and in RefSeq as a protein-coding locus. [provided by RefSeq, Oct 2010]
Keywords	HLA-DQB2; major histocompatibility complex, class II, DQ beta 2; HLA-DXB; HLA-DQB1; HLA class II histocompatibility antigen, DQ beta 2 chain; MHC class II antigen DQB2; major histocompatibility complex, class II, DQ beta 1; HLA class II histocompatibility antigen, DX beta chain; DV19.1 (major histocompatibility complex, class II, DQ beta 2 (HLA-DXB));

GENE INFORMATION

Entrez Gene ID	3120
UniProt ID	Q5SR06
Pathway	Adaptive Immunity Signaling, organism-specific biosystem; Costimulation by the CD28 family, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Downstream TCR signaling, organism-specific biosystem; Generation of second messenger molecules, organism-specific biosystem; Immune System, organism-specific biosystem

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