



Rabbit Anti-HLA DQB1 antibody

SL17543R

Product Name:	HLA DQB1
Chinese Name:	组织相容性抗原DQB1抗体
Alias:	CELIAC1; DQ beta 1 chain; DQB1_HUMAN; HLA class II histocompatibility antigen; HLA class II histocompatibility antigen, DQ beta 1 chain; HLA class II histocompatibility antigen, DQ beta 2 chain; HLA DQB; HLA DQB1; HLA-DQB1; HLA-DQB2; IDDM1; Lymphocyte antigen; Major histocompatibility complex class II beta; Major histocompatibility complex, class II, DQ beta 1; MHC class II antigen DQB1; MHC class II antigen HLA DQ beta 1; MHC class II DQ beta chain; MHC class II HLA DQ beta glycoprotein; MHC class2 antigen; MHC DQ beta.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	27kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human HLA DQB1:151-250/261<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed

HLA-DQB1 belongs to the HLA class II beta chain paralogs. 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 six exons. Exon 1 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 four different molecules. Typing for these polymorphisms is routinely done for bone marrow transplantation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2011]

SWISS:
P03992

Gene ID:
3119

Database links:

[Entrez Gene: 3119](#) Human

[Omim: 604305](#) Human

[SwissProt: P03992](#) Human

[Unigene: 409934](#) Human

[Unigene: 534322](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Product Detail: