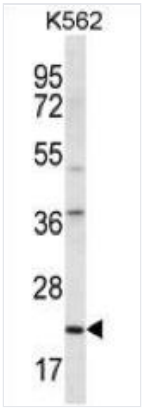
HLA-DQA1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HLA-DQA1, Polyclonal Antibody
Full Product Name	HLA-DQA1, ID (HLA-DQA1, HLA class II histocompatibility antigen, DQ alpha 1 chain, DC-1 alpha chain, DC-alpha, HLA-DCA, MHC class II DQA1) (Azide free) (HRP)
Product Gene Name	anti-HLA-DQA1 antibody
Product Synonym Names	HLA-DQA1; HLA class II histocompatibility antigen; DQ alpha 1 chain; DC-1 alpha chain; DC-alpha; HLA-DCA; MHC class II DQA1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human HLA-DQA1.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	254
Chromosome Location	Chromosome: 6; NC_000006.11 (32605169..32612152). Location: 6p21.3
OMIM	146880
3D Structure	ModBase 3D Structure for P01909
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 57-84 in the central region of human HLA-DQA1, UniProt Accession #P01909; NP_002113.2.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-HLA-DQA1 antibody	Antibodies; HLA
Applications Tested/Suitable for anti-HLA-DQA1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-HLA-DQA1 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-HLA-DQA1 antibody	MBS6307103 is an antibody targeting HLA-DQA1. Also known as HLA-DQA1, ID (HLA-DQA1, HLA class II histocompatibility antigen, DQ alpha 1 chain, DC-1 alpha chain, DC-alpha, HLA-DCA, MHC class II DQA1) (Azide free) (HRP). Reactive in Human. Host: Rabbit.

Product References and Citations for anti-HLA-DQA1 antibody	1. Donaldson, P.T., et al. J. Hepatol. 53(6):1049-1053(2010). 2. Noble, J.A., et al. Diabetes 59(11):2972-2979(2010). 3. Ferreira, R.C., et al. Nat. Genet. 42(9):777-780(2010). 4. Ovsyannikova, I.G., et al. PLoS ONE 5 (7), E11806 (2010). 5. Xun, Y.H., et al. Zhonghua Shi Yan He Lin Chuang Bing Du Xue Za Zhi 23(6):430-433(2009).
Other Notes	Small volumes of anti-HLA-DQA1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-HLA-DQA1 antibody
Western Blot analysis in K562 cell line lysates (35ug/lane) usingMBS6012253. This demonstrates that MBS6012253 detected the HLA-DQA1 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HLA-DQA1. It may not necessarily be applicable to this product.

NCBI GI #	18426975
NCBI GeneID	3117
NCBI Accession #	NP_002113.2
UniProt Primary Accession #	P01909
UniProt Secondary Accession #	O19630; O19706; P01907; P01908; P04225; P04226; P05536; P79553; Q06751; Q29876; Q29994
UniProt Related Accession #	P01909
GenBank Nucleotide #	NM_002122.3
NCBI Official Full Name	HLA class II histocompatibility antigen, DQ alpha 1 chain
NCBI Official Synonym Full Names	major histocompatibility complex, class II, DQ alpha 1
NCBI Official Symbol	HLA-DQA1
NCBI Official Synonym Symbols	CD; GSE; DQ-A1; CELIAC1; HLA-DQA
UniProt Protein Name	HLA class II histocompatibility antigen, DQ alpha 1 chain
UniProt Synonym Protein Names	DC-1 alpha chain; DC-alpha; HLA-DCA; MHC class II DQA1
Protein Family	HLA class II histocompatibility antigen
UniProt Gene Name	HLA-DQA1
UniProt Entry Name	DQA1_HUMAN
NCBI Protein Information	HLA class II histocompatibility antigen, DQ alpha 1 chain; HLA-DCA; DC-alpha; DC-1 alpha chain; MHC HLA-DQ alpha; MHC class II DQA1; MHC class II antigen; leucocyte antigen DQA1; MHC class II HLA-DQ-alpha-1; leukocyte antigen alpha chain; MHC class II sur

UniProt Comments for HLA-DQA1	HLA-DQA1 iso4: Protein type: Membrane protein, integral; Cell surface Chromosomal Location of Human Ortholog: 6p21.3 Cellular Component: Golgi membrane; membrane; lysosomal membrane; integral to plasma membrane; plasma membrane; trans-Golgi network membrane; endosome membrane; MHC class II protein complex; external side of plasma membrane Molecular Function: MHC class II receptor activity; peptide antigen binding Biological Process: positive regulation of T cell differentiation; cytokine and chemokine mediated signaling pathway; T cell costimulation; antigen processing and presentation of exogenous peptide antigen via MHC class II; immune response; T cell receptor signaling pathway
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