

Mouse HLA-DQ Monoclonal Antibody | anti-HLA-DQ antibody

HLA-DQ (MHC II)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214758	Mouse	Human, Pig. Others not known.	Immunohistochemistry, Flow Cytometry, Functional Assay

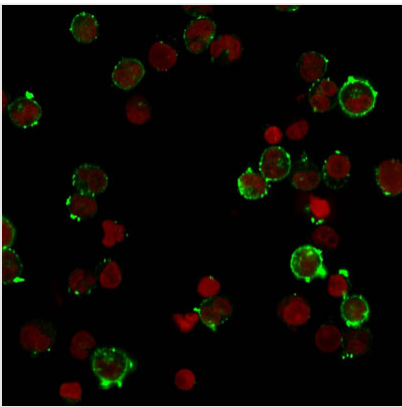
PRODUCT SYNONYMS

HLA-DQ; Monoclonal Antibody; HLA-DQ (MHC II); CELIAC1; DC 4 alpha chain Gluten sensitive enteropathy (celiac disease) (GSE); HLA class II histocompatibility antigen DQ(1) alpha chain; HLA class II histocompatibility antigen DQ(3) alpha chain; HLA DQA1; HLA DQB1; IDDM1; Leucocyte antigen DQA1; Major histocompatibility complex class II DQ alpha 1; Major histocompatibility complex class II DQ beta 1; anti-HLA-DQ antibody

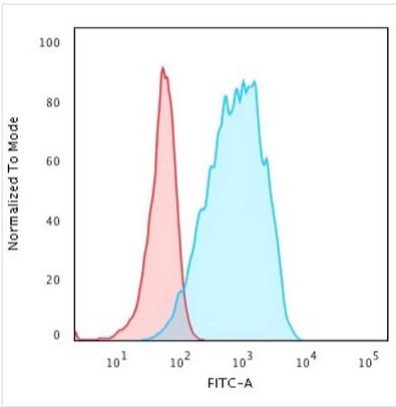
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Pig. Others not known.
Clonality	Monoclonal
Isotype	IgG
Clone Number	HLA-DQA1/2866R
Specificity	Recognizes a DQ antigen, which is a dimer of 60kDa. The 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 alpha chain is approximately 33-35kDa. It is encoded by 5 exons; exon 1 encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, and exon 4 encodes the transmembrane domain and the cytoplasmic tail. with in 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. This MAb strongly blocks cytotoxicity activity of T4-positive cytotoxic T cell clones.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	254
Applicable Applications for anti-HLA-DQ antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant full-length human HLA-DQ protein
Positive Control	Raji Cells. Tonsil or Lymph Node
Cellular Localization	Cell Surface
Chromosome Location	6p21.3
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

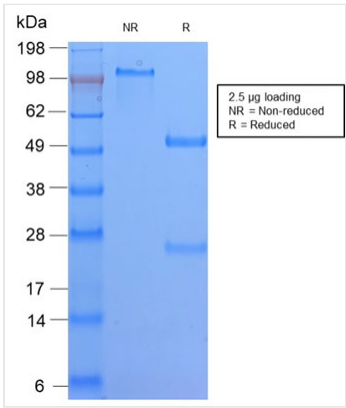
IMAGES



IF (Immunofluorescence)
Immunofluorescent staining of Raji cells. HLA-DQ Rabbit Recombinant Monoclonal (HLA-DQA1/2866R) followed by goat anti-rabbit IgG-CF488 (Green). The nuclear counterstain is Reddot (Red).



FCM/FACS (Flow Cytometry)
Flow Cytometric Analysis of Raji cells. HLA-DQ Rabbit Recombinant Monoclonal Antibody (HLA-DQA1/2866R) followed by goat anti-Rabbit IgG-CF488 (Blue); Isotype Control (Red).



SDS-PAGE
SDS-PAGE Analysis Purified HLA-DQ Rabbit Recombinant Monoclonal Ab (HLA-DQA1/2866R). Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-HLA-DQ antibody	Recombinant Rabbit Monoclonal Antibody
References	Spits H, et al. Hybridoma, 1983, 2(4):423-37.

NCBI AND UNIPROT INFORMATION

NCBI GI #	18426975
NCBI GeneID	3117
NCBI Accession #	NP_002113.2
NCBI GenBank Nucleotide #	NM_002122.3
UniProt Accession #	P01908; O19630; O19706; P01907; P04225; P04226; P05536; P79553; Q06751; Q29876; Q29994; P01909
Molecular Weight	60kDa
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	DQA1; DQ-A1; CELIAC1; HLA-DQA
NCBI Protein Information	HLA class II histocompatibility antigen, DQ alpha 1 chain
UniProt Protein Name	HLA class II histocompatibility antigen, DQ alpha 1 chain
UniProt Gene Name	HLA-DQA1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/hla-dq-antibody-clone-hla-dqa1-2866r-immunohistochemistry-flow-cytometry-elisa/214758>