Rat anti-Mouse MHC Class II Monoclonal Antibody | anti-HLA-DQB1 antibody

Rat Anti-Mouse MHC Class II-UNLB

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78688	**Rat**	**Mouse**	**Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

MHC Class II; Monoclonal Antibody; Rat Anti-Mouse MHC Class II-UNLB; Rat Anti-Mouse MHC Class II - Purified; Unlabeled Antibody; Rat Anti-Mouse MHC Class II; anti-HLA-DQB1 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rat IgG2b
Clone Number	NIMR-4
Specificity	MHC Class II molecules The monoclonal antibody NIMR-4 reacts specifically with a non-polymorphic I-A-encoded epitope on MHC Class II antigens. Class II antigens are predominantly expressed on antigen-presenting cells including B lymphocytes, macrophages, dendritic cells and certain epithelial cells.
Form/Format	Purified (UNLB) Antibody
Sequence Length	229
Applicable Applications for anti-HLA-DQB1 antibody	FCM/FACS (Flow Cytometry)
Characterization	To ensure lot-to-lot consistency, each batch of product is tested by flow cytometry to conform to characteristics of a standard reference reagent. Representative data are included in this product insert.
Preparation and Storage	The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of 100 mM borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added. Store at 2- 8 degree C. The fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN3. Store at 2-8 degree C. The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN3. Store at 2-8 degree C. The R-phycoerythrin (R-PE) conjugate is supplied as 0.1 mg in 1.0 mL or 0.2 mg in 2.0 mL of PBS/NaN3 and a stabilizing agent. Store at 2-8 degree C. Do not freeze! The Spectral Red (SPRD) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN3 and a stabilizing agent. Store at 2-8 degree C. Do not freeze! The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. Aliquot and store at or below -20 degree C. Protect conjugated forms from light. Aliquot and freeze the low endotoxin, azide-free product at -20 degree C immediately upon receipt. Each reagent is stable for the period shown on the bottle label if stored as directed.

ADDITIONAL INFORMATION

References	1. R.M.E. Parkhouse. 1996. Personal communication.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1160938

NCBI GeneID	3119
UniProt Accession #	O19707; O19506; O19632; O19709; O19710; O19711; O19712; O19714; O19715; A0AQY9
Molecular Weight	26,489 Da
NCBI Official Full Name	MHC class II
NCBI Official Synonym Full Names	major histocompatibility complex, class II, DQ beta 1
NCBI Official Symbol	HLA-DQB1
NCBI Official Synonym Symbols	IDDM1; CELIAC1; HLA-DQB
NCBI Protein Information	HLA class II histocompatibility antigen, DQ beta 1 chain; MHC DQ beta; MHC class2 antigen; OTTHUMP00000029167; OTTHUMP00000178569; OTTHUMP00000178570; OTTHUMP00000178571; lymphocyte antigen; MHC class II antigen DQB1; MHC class II DQ beta chain; MHC class II antigen HLA-DQ-beta-1; MHC class II HLA-DQ beta glycoprotein; major histocompatibility complex class II beta; HLA class II histocompatibility antigen, DQ beta 1 chain-like
UniProt Protein Name	MHC class II HLA-DQ-beta-1
UniProt Gene Name	**HLA-DQB1**
UniProt Entry Name	O19707_HUMAN

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/mhc-class-ii-antibody-clone-nimr-4-flow-cytometry-elisa/78688