

Product Datasheet

HLA DQ Antibody (HLA-DQA1/2866R) - Azide and BSA Free NBP3-08747

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

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Publications: 1

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NBP3-08747

HLA DQ Antibody (HLA-DQA1/2866R) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	HLA-DQA1/2866R
Preservative	No Preservative
Isotype	IgG
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	60 kDa

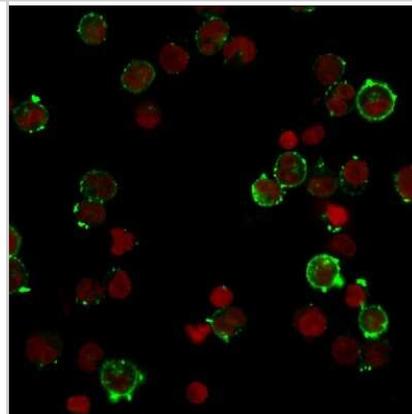
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP3-07732). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Rabbit
Gene ID	3117
Gene Symbol	HLA-DQA1
Species	Human, Porcine
Specificity/Sensitivity	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. 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. This monoclonal antibody strongly blocks cytotoxicity activity of T4-positive cytotoxic T cell clones.
Immunogen	Recombinant full-length human HLA DQ protein

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Frozen
Application Notes	Immunohistochemistry Frozen: only 1-2ug/ml for 30 minutes at RT. Optimal dilution for a specific application should be determined.

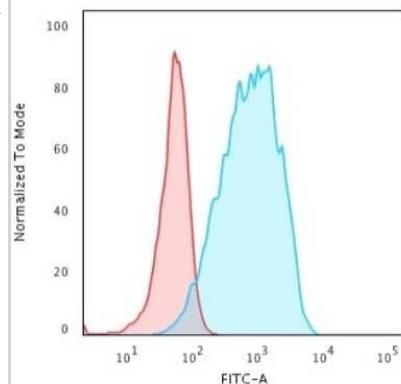


Images

Immunocytochemistry/Immunofluorescence: HLA DQ Antibody (HLA-DQA1/2866R) - Azide and BSA Free [NBP3-08747] - 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).



Flow Cytometry: HLA DQ Antibody (HLA-DQA1/2866R) - Azide and BSA Free [NBP3-08747] - 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).



Publications

Gu H, Yu H, Qin L et al. MSU crystal deposition contributes to inflammation and immune responses in gout remission Cell reports 2023-09-26 [PMID: 37756161] (FLOW, Human)

Details:

The customer used PE conjugated antibody



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Products Related to NBP3-08747

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
210-TA-005	TNF-alpha [Unconjugated]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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