

# Product Datasheet

## HLA DQ/DR/DP Antibody (CR3/43)

### NBP2-53380-100ug

Unit Size: 100 ug

Store at 4C.

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**NBP2-53380-100ug**

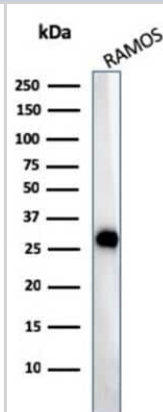
HLA DQ/DR/DP Antibody (CR3/43)

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	CR3/43
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml.(NBP2-54507)  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	3117
Gene Symbol	HLA-DQA1
Species	Human
Specificity/Sensitivity	Reacts with a common epitope of human major histocompatibility (MHC) class II antigens, HLA-DP, -DQ and -DR. Human MHC class II antigens are transmembrane glycoproteins composed of an chain (36kDa) and a chain (27kDa). They are expressed primarily on antigen presenting cells such as B lymphocytes, monocytes, macrophages, and thymic epithelial cells and are also present on activated T lymphocytes. Human MHC class II genes are located in the HLA-D region that encodes at least six and ten chain genes. Three loci, DR, DQ and DP, encode the major expressed products of the human class II region. The human MHC class II molecules bind intracellularly processed peptides and present them to T-helper cells. They, therefore, have a critical role in the initiation of the immune response. It has been shown that some autoimmune diseases are associated with certain class II alleles.
Immunogen	Cells from human tonsil
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/ million cells, ELISA 2-4 ug/ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml
Application Notes	ELISA: For coating use Ab at 2-4ug/ml, order Ab without BSA. Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

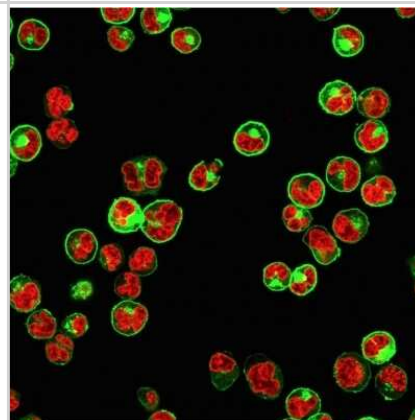


## Images

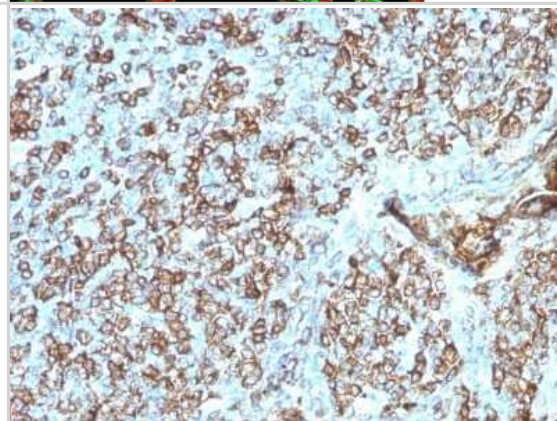
Western Blot: HLA DQ/DR/DP Antibody (CR3/43) [NBP2-53380] - Western Blot Analysis of Ramos cell lysate using HLA HLA DQ/DR/DP antibody (CR3/43).



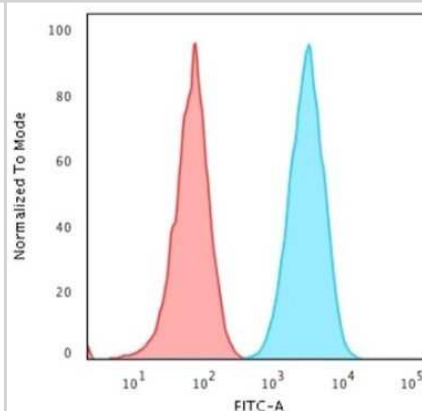
Immunocytochemistry/Immunofluorescence: HLA DQ/DR/DP Antibody (CR3/43) [NBP2-53380] - Immunofluorescent staining of Raji cells. followed by goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Red Dot (Red)



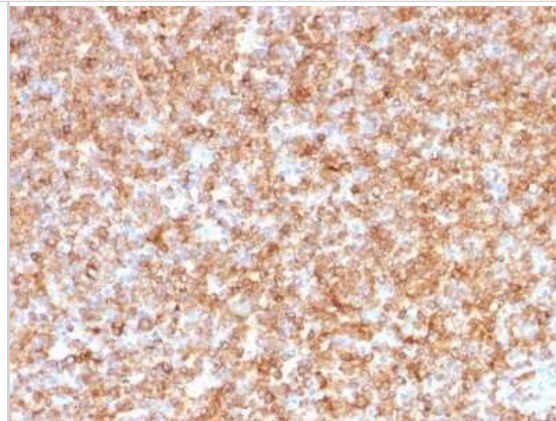
Immunohistochemistry-Paraffin: HLA DQ/DR/DP Antibody (CR3/43) [NBP2-53380] - Formalin-fixed, paraffin-embedded human Tonsil stained with HLA-DP/-DQ/-DR Monoclonal Antibody (CR3/43).



Flow Cytometry: HLA DQ/DR/DP Antibody (CR3/43) [NBP2-53380] - Flow Cytometric Analysis of Human Raji cells using HLA HLA DQ/DR/DP antibody (CR3/43).followed by goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).



Immunohistochemistry-Paraffin: HLA DQ/DR/DP Antibody (CR3/43)  
[NBP2-53380] - Formalin-fixed, paraffin-embedded human Tonsil stained  
with HLA-DP/-DQ/-DR Monoclonal Antibody (CR3/43).





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### **Products Related to NBP2-53380-100ug**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
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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