

# Product Datasheet

## HLA DQ/DR/DP Antibody (CR3/43) NB120-17101

Unit Size: 1 ml

Store at 4C.

[www.novusbio.com](http://www.novusbio.com)



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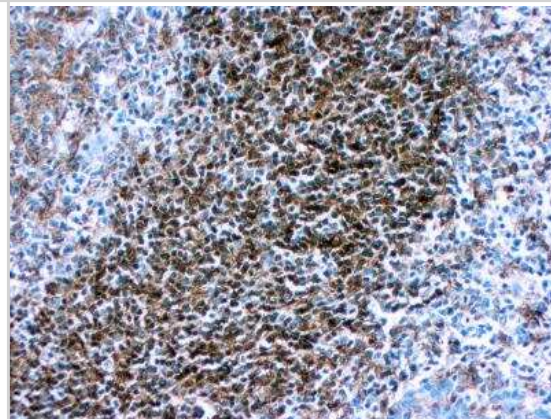


**NB120-17101****HLA DQ/DR/DP Antibody (CR3/43)**

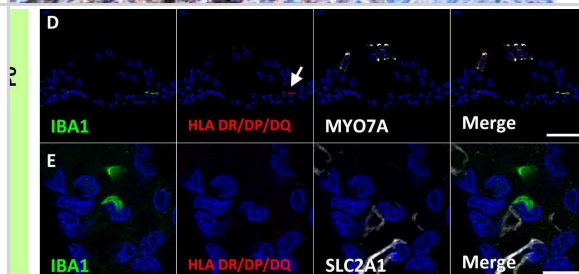
<b>Product Information</b>	
<b>Unit Size</b>	1 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at 4C.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	CR3/43
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Tissue culture supernatant
<b>Buffer</b>	Tissue culture supernatant
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse HLA DQ/DR/DP Antibody (CR3/43) (NB120-17101) is a monoclonal antibody validated for use in IHC. Anti-HLA DQ/DR/DP Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	3117
<b>Gene Symbol</b>	HLA-DQA1
<b>Species</b>	Human
<b>Reactivity Notes</b>	Cross-reacts with Human. Not yet tested in other species.
<b>Specificity/Sensitivity</b>	This antibody reacts with the beta chain of all products of the gene sub regions DP, DQ, and DR. It stains B cells, interdigitating reticulum cells, Langerhans cells and many macrophages. This antibody does not react with normal T cell and polymorphs but stains activated T cells.
<b>Immunogen</b>	Tonsil cells
<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Immunohistochemistry 1:25-1:50, Immunohistochemistry-Paraffin 1:25-1:50
<b>Application Notes</b>	IHC-P: recommended pretreatment of EDTA buffer, pH 8.0. Recommended incubation time of 30 min at RT.

## Images

Immunohistochemistry-Paraffin: HLA DQ/DR/DP Antibody (CR3/43) [NB120-17101] - Formalin fixed paraffin embedded human tonsil stained with HLA-DR antibody (NB120-17101).



Expression of human leukocyte antigen (HLA) DR/DP/DQ in the developing cochlea. (A, B) Expression of HLA DR/DP/DQ in the E109 and E120 cochlea. No HLA DR/DP/DQ expression is observed in these stages. (C–E) Expression of HLA DR/DP/DQ in the P0 cochlea. At this stage, some macrophages expressed HLA DR/DP/DQ. HLA DR/DP/DQ expression is observed in macrophages in the organ of Corti [Arrow in (D)]. No HLA DR/DP/DQ expression is detected in the perivascular macrophages (PVMs) in the stria vascularis at this stage (E). (F) HLA DR/DP/DQ expression in the postnatal stria vascularis. HLA DR/DP/DQ expression is detected in the postnatal PVMs. Scale Bar: 100  $\mu$ m in (A–C) 50  $\mu$ m in (D, E) 20  $\mu$ m in (F) The nuclei are counterstained with Hoechst (blue). Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/37675123>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Hosoya M, Kitama T, Shimanuki MN et al. Distribution of macrophages in the developing cochlea of the common marmoset, a primate model animal *Frontiers in Immunology* 2023-08-22 [PMID: 37675123] (Immunohistochemistry)



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### **Products Related to NB120-17101**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
210-TA-005	TNF-alpha [Unconjugated]

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### **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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