

# Product Datasheet

## HLA DMA Antibody (5C9NB) - Azide Free NBP2-44301

Unit Size: 0.1 mg

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

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



[technical@novusbio.com](mailto:technical@novusbio.com)

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-44301](http://www.novusbio.com/NBP2-44301)

Updated 10/23/2024 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-44301](http://www.novusbio.com/reviews/destination/NBP2-44301)



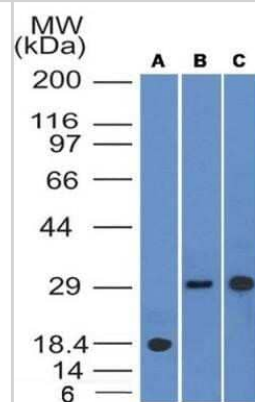
**NBP2-44301**

HLA DMA Antibody (5C9NB) - Azide Free

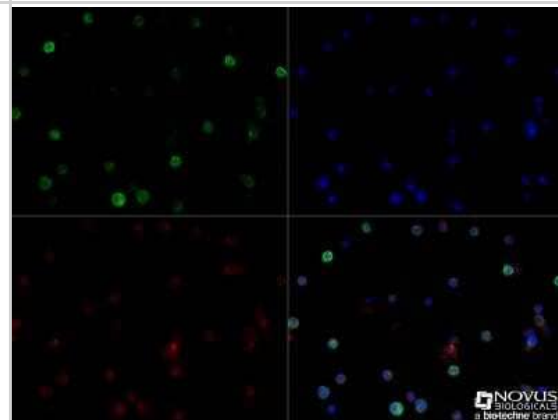
<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	5C9NB
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	3108
<b>Gene Symbol</b>	HLA-DMA
<b>Species</b>	Human
<b>Immunogen</b>	Partial recombinant human HLA DMA protein (between amino acids 10-300) [Entrez NP_006111]
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow (Cell Surface), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 2 ug/ml, Immunohistochemistry 1:200, Immunocytochemistry/ Immunofluorescence 10-20 ug/ml, Immunohistochemistry-Paraffin 1:200, Flow (Cell Surface) 2.5 ug / million cells

## Images

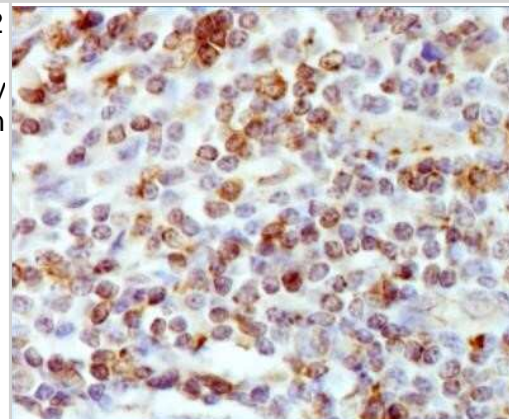
Western Blot: HLA DMA Antibody (5C9NB) - Azide Free [NBP2-44301] - Western blot analysis of HLA DMA (5C9NB) in A. partial recombinant human HLA DMA protein B. Ramos lysate and C. Raji lysate. Image using the standard format of this product.



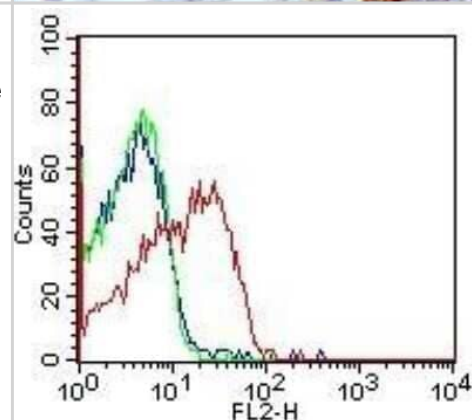
Immunocytochemistry/Immunofluorescence: HLA DMA Antibody (5C9NB) - Azide Free [NBP2-44301] - Daudi cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton-X100. The cells were incubated with anti-HLA DMA (5C9NB) [NBP2-44301-azide free] at a 1:40 dilution overnight at 4C and detected with an anti-mouse Dylight 488 (Green) at a 1:500 dilution. Actin was detected with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



Immunohistochemistry: HLA DMA Antibody (5C9NB) - Azide Free [NBP2-44301] - IHC analysis of a formalin fixed and paraffin embedded tissue section of normal human tonsil using 1:200 dilution of HLA DMA antibody (clone 5C9NB). The antibody generated a diffused to punctate staining in cellular membranes and cytoplasm, especially in the perinuclear region representing late endosomal localization of major histocompatibility complex, class II, DM alpha/HLA DMA protein. Image using the standard format of this product.



Flow (Cell Surface): HLA DMA Antibody (5C9NB) - Azide Free [NBP2-44301] - Human PBMC cells were stained (surface) with HLA DMA (5C9NB) antibody (red) or isotype control (mouse IgG1; green). Blue line represents cells alone. Positive staining was observed using PE conjugated mouse anti-IgG(H+L) secondary antibody. Live cells were gated (FL-2) for analysis.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-44301**

---

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)
H00003108-P01-10ug	Recombinant Human HLA DMA GST (N-Term) Protein

---

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-44301](http://www.novusbio.com/reviews/submit/NBP2-44301)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

