

# Product Datasheet

## MHC Class II Antibody (M5/114) [DyLight 488] NBP2-21789G

Unit Size: 0.1 ml

Store at 4C in the dark.

[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/NBP2-21789G](http://www.novusbio.com/NBP2-21789G)

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/NBP2-21789G](http://www.novusbio.com/reviews/destination/NBP2-21789G)



**NBP2-21789G**

MHC Class II Antibody (M5/114) [DyLight 488]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	M5/114
Preservative	0.05% Sodium Azide
Isotype	IgG2b
Conjugate	DyLight 488
Purity	Protein G purified
Buffer	50mM Sodium Borate
Product Description	
Host	Rat
Gene ID	3108
Gene Symbol	HLA-DMA
Species	Mouse, Rat
Reactivity Notes	Use in Rat reported in scientific literature (PMID:34166814).
Specificity/Sensitivity	The rat monoclonal antibody M5/114 reacts with murine MHC class II glycoproteins. It recognizes a shared determinant on I-Ab, I-Ad, I-Aq, and I-Ed, I-Ek alloantigens, but it does not react with I-Af, I-Ak, I-As. This antibody can inhibit I-A-restricted T cell responses of the H-2b, H-2d, H-2q, H-2u but not H-2f, H-2k, H-2s haplotypes.
Immunogen	Activated C57BL/6 mouse spleen cells
Notes	DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Functional, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunoprecipitation, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Functional, CyTOF-ready
Application Notes	Optimal dilution of this antibody should be experimentally determined.





### **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 NBP2-21789G**

---

664-LI-025	LIGHT/TNFSF14 [Unconjugated]
MAB1455	Albumin Antibody (188835) [Unconjugated] - Serum
AF3398	Catalase Antibody [Unconjugated]
NB200-541	Complement C4b/d Antibody (16D2)

---

### **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/NBP2-21789G](http://www.novusbio.com/reviews/submit/NBP2-21789G)

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

