

# Product Datasheet

## Hemoglobin Antibody (2A1) [Allophycocyanin] - Chimeric NBP3-20120APC

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/NBP3-20120APC](http://www.novusbio.com/NBP3-20120APC)

Updated 11/9/2025 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/NBP3-20120APC](http://www.novusbio.com/reviews/destination/NBP3-20120APC)



**NBP3-20120APC**

Hemoglobin Antibody (2A1) [Allophycocyanin] - Chimeric

| <b>Product Information</b>         |  |
|------------------------------------|--|
| <b>Unit Size</b>                   | 0.1 ml   |
| <b>Concentration</b>               | Please see the vial label for concentration. If unlisted please contact technical services.  |
| <b>Storage</b>                     | Store at 4C in the dark.   |
| <b>Clonality</b>                   | Monoclonal   |
| <b>Clone</b>                       | 2A1  |
| <b>Preservative</b>                | 0.05% Sodium Azide   |
| <b>Isotype</b>                     | IgG Kappa  |
| <b>Conjugate</b>                   | Allophycocyanin  |
| <b>Purity</b>                      | Protein A purified   |
| <b>Buffer</b>                      | PBS  |
| <b>Product Description</b>         |  |
| <b>Host</b>                        | Rabbit   |
| <b>Species</b>                     | Mouse  |
| <b>Specificity/Sensitivity</b>     | 2A1 exhibited polyreactive recognition of peptide 100-119 from the alpha subunit and peptide 100-119 from the beta subunit. Moreover, 2A1 bound Hb and the Hb-haptoglobin complex with equal efficiency, implying different binding sites on Hb for haptoglobin and 2A1. 2A1 was also found to distinguish between Hb and metHb.   |
| <b>Immunogen</b>                   | Murine hybridomas were generated using spleen cells from aging (8-10 month old) NZB/W F1 animals. Hybridomas secreting antibodies reactive to murine hemoglobin were subcloned by limiting dilution and antibody isotypes determined using commercial reagents. Eight-week-old NZB/W F1 were immunized subcutaneously with 50 mg mHb antigen emulsified in Complete Freund's Adjuvant. |
| <b>Product Application Details</b> |  |
| <b>Applications</b>                | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence   |
| <b>Recommended Dilutions</b>       | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence   |
| <b>Application Notes</b>           | 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 NBP3-20120APC**

---

|            |   |
|------------|---|
| NBP3-18008 | Mouse Hemoglobin ELISA Kit (Colorimetric) |
|------------|---|

---

### **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/NBP3-20120APC](http://www.novusbio.com/reviews/submit/NBP3-20120APC)

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

