Product Datasheet

Hemoglobin Antibody (2A1) - Chimeric - Azide and BSA Free

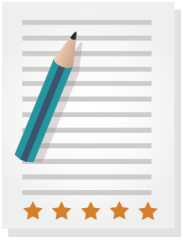
NBP3-20120-0.2mg

Unit Size: 0.2 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP3-20120

Updated 3/7/2023 v.20.1



NBP3-20120-0.2mg

Hemoglobin Antibody (2A1) - Chimeric - Azide and BSA Free

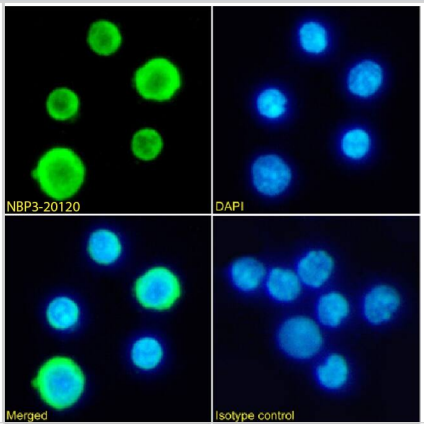
Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.
Clonality	Monoclonal
Clone	2A1
Preservative	0.02% Proclin 300
Isotype	IgG Kappa
Purity	Protein A purified
Buffer	PBS

Product Description	
Host	Rabbit
Species	Mouse
Specificity/Sensitivity	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.
Immunogen	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 Fruend's Adjuvant.

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/Immunofluorescence
Recommended Dilutions	Western Blot, ELISA, Immunocytochemistry/Immunofluorescence
Application Notes	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG format, for improved compatibility with existing reagents, assays and techniques.

Images

Immunocytochemistry/Immunofluorescence: Hemoglobin Antibody (2A1) - Chimeric - Azide and BSA Free [NBP3-20120] - Immunofluorescence analysis of paraformaldehyde fixed mouse splenocytes on Shi-fix(TM) coverslips, permeabilized with 0.15% Triton stained with the chimeric rabbit IgG version of 2A1 (NBP3-20120) at 10 ug/ml for 1h followed by Alexa Fluor(R) 488 secondary antibody (2 ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP3-20120, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor(R) 488 secondary antibody.



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
novus@novusbio.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: technical@novusbio.com
Orders: orders@novusbio.com
General: novus@novusbio.com

Products Related to NBP3-20120-0.2mg

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7156	Goat anti-Rabbit IgG (H+L) Secondary Antibody
NBP3-12175	Human 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

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP3-20120

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications