

# Product Datasheet

## Biotin Antibody - BSA Free

### NB120-6643

Unit Size: 0.2 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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#### Publications: 1

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**NB120-6643**

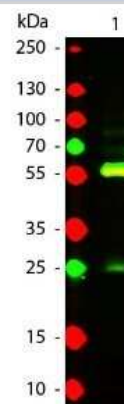
Biotin Antibody - BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Product Description	
Description	<p>This product was prepared from monospecific antiserum by immunoaffinity chromatography using Biotin coupled to sepharose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Biotin conjugated IgG and Biotin conjugated Bovine Serum Albumin.</p> <p>This product is stable for several weeks at 4C as an undiluted liquid. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening.</p>
Host	Goat
Species	Non-species specific
Immunogen	Biotin conjugated to Keyhole Limpet Hemocyanin (b-KLH)
Product Application Details	
Applications	Western Blot, ELISA, Fluorophore-linked immunosorbent assay, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated
Recommended Dilutions	Western Blot 1:2000-1:10000, ELISA 1:20000, Immunohistochemistry 1:1000-1:5000, Immunohistochemistry-Paraffin 1:10 - 1:500, Fluorophore-linked immunosorbent assay, Knockout Validated
Application Notes	This product has been tested by ELISA and SDS-PAGE and is suitable for immunoprecipitation, immunodiffusion, conjugation and most immunological methods requiring lot-to-lot consistency, high titer and specificity. Optimal concentrations in other immunoassays should be determined by the researcher.

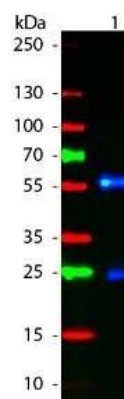


## Images

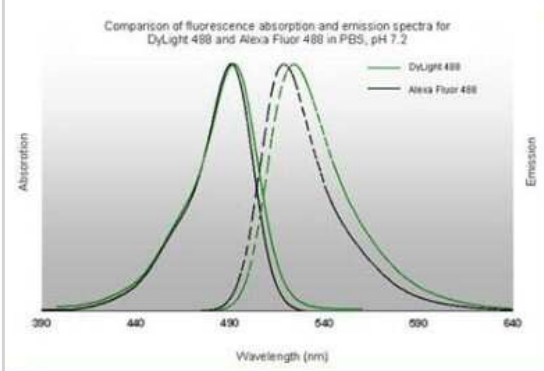
Western Blot: Biotin Antibody [NB120-6643] - Analysis using the Texas Red conjugate of NB120-6643. Detection of Lane 1: Biotin conjugated Guinea Pig IgG. Lane 2: None. Load: 50 ng per lane.



Western Blot: Biotin Antibody [NB120-6643] - Analysis using the Fluorescein conjugate of NB120-6643. Detection of Lane 1: Biotin conjugated Guinea Pig IgG. Lane 2: None. Load: 50 ng per lane.

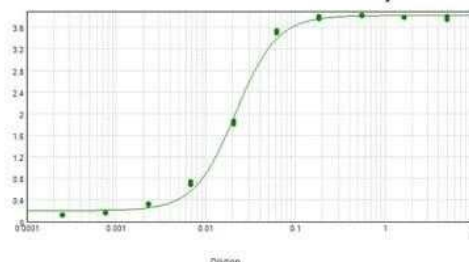


ELISA: Biotin Antibody [NB120-6643] - Analysis using BIOTIN Antibody DyLight 488.



ELISA: Biotin Antibody [NB120-6643] - ELISA results of purified Goat anti-Biotin Antibody Peroxidase Conjugated tested against purified biotin. Each well was coated in duplicate with 1.0 ug of Bovine Albumin Biotin Conjugated. The starting dilution of antibody was 5ug/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using 3 percent fish gelatin as blocking buffer and TMB substrate. Image using the HRP form of this antibody.

### Anti-Biotin Sensitivity



## Publications

Zhang F, Bazzar W, Alzrigat M, Larsson LG Methods to Study Myc-Regulated Cellular Senescence: An Update Methods in molecular biology (Clifton, N.J.) 2021-05-21 [PMID: 34019294] (IHC-P)



### **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 NB120-6643**

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

### **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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