

# Product Datasheet

## Human Coronavirus Spike Protein Antibody (29) - Azide and BSA Free NBP3-14658-100ul

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. 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/NBP3-14658](http://www.novusbio.com/NBP3-14658)

Updated 3/3/2025 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/NBP3-14658](http://www.novusbio.com/reviews/destination/NBP3-14658)



**NBP3-14658-100ul**

Human Coronavirus Spike Protein Antibody (29) - Azide and BSA Free

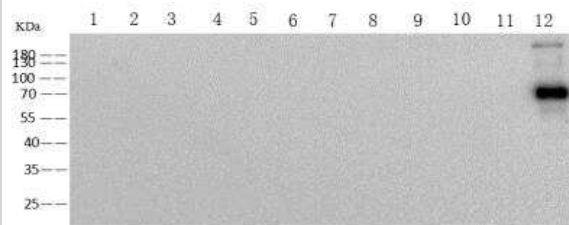
Product Information	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	29
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	0.2 um filtered solution in PBS

Product Description	
<b>Description</b>	This antibody can be stored at 2-8C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20C to -80C. Preservative-Free. Avoid repeated freeze-thaw cycles.
<b>Host</b>	Mouse
<b>Gene ID</b>	3200426
<b>Gene Symbol</b>	S
<b>Species</b>	HCoV-OC43
<b>Specificity/Sensitivity</b>	Recognizes the Spike of HCoV-OC43. Doesn't recognize the Spike of SARS-CoV-2, SARS-CoV, MERS-CoV, HCoV-NL63, HCoV-229E, HCoV-HKU1 (isolate N5). Has cross-reactivity in ELISA and WB with: HCoV-OC43 Spike S1+S2 ECD-His No cross-reactivity in ELISA and WB with: SARS-CoV-2 Spike S1-His SARS-CoV-2 Spike S1 NTD-Fc & AVI SARS-CoV-2 Spike S1 NTD-His & AVI SARS-CoV-2 Spike RBD-His SARS-CoV-2 Spike S1+S2 ECD-His SARS-CoV-2 Spike S2 ECD-His SARS-CoV Spike S1+S2 ECD-His MERS-CoV Spike S1+S2 ECD-His HCoV-229E Spike S1+S2 ECD-His HCoV-HKU1 (isolate N5) Spike S1+S2 ECD-His HCoV-NL63 Spike S1+S2 ECD-His
<b>Immunogen</b>	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human Coronavirus Spike S1+S2 ECD protein.

Product Application Details	
<b>Applications</b>	Western Blot, ELISA
<b>Recommended Dilutions</b>	Western Blot 1:1000-1:5000, ELISA 1:1000-1:2000
<b>Application Notes</b>	Antibody's applications have not been validated with corresponding viruses. Optimal concentrations/dilutions should be determined by the end user.

## Images

Western Blot: Human Coronavirus Spike Protein Antibody (29) [NBP3-14658] - Anti-HCoV-OC43 mouse monoclonal antibody at 1:1000 dilution. Sample: Recombinant Protein 10 ng Lane 1: SARS-CoV-2 Spike S1-His Lane 2: SARS-CoV-2 Spike S1 NTD-Fc & AVI Lane 3: SARS-CoV-2 Spike S1 NTD-His & AVI Lane 4: SARS-CoV-2 Spike RBD-His Lane 5: SARS-CoV-2 Spike S2 ECD-His Lane 6: SARS-CoV-2 Spike S1+S2 ECD-His Lane 7: SARS-CoV Spike S1+S2 ECD-His Lane 8: MERS-CoV Spike S1+S2 ECD-His Lane 9: HCoV-NL63 Spike S1+S2 ECD-His Lane 10: HCoV-229E Spike S1+S2 ECD-His Lane 11: HCoV-HKU1 (isolate N5) Spike S1+S2 ECD-His Lane 12: HCoV-OC43 Spike S1+S2 ECD-His Secondary Goat Anti-Mouse IgG (H+L)/HRP at 1/10000 dilution Developed using the ECL technique. Performed under reducing conditions.





### **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 NBP3-14658-100ul**

---

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

---

### **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/NBP3-14658](http://www.novusbio.com/reviews/submit/NBP3-14658)

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

