

# Product Datasheet

## Goat anti-Mouse IgG F(ab')<sub>2</sub> Secondary Antibody NB7588

Unit Size: 1 mg

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)

### Publications: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NB7588](http://www.novusbio.com/NB7588)

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/NB7588](http://www.novusbio.com/reviews/destination/NB7588)

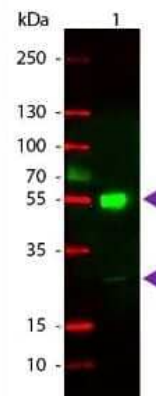


**NB7588****Goat anti-Mouse IgG F(ab')<sub>2</sub> Secondary Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	1 mg
<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>	Polyclonal
<b>Preservative</b>	0.01% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Multi-step
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Product Description</b>	
<b>Description</b>	<p>This product was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Mouse IgG, Mouse IgG F(ab')<sub>2</sub> and Mouse Serum</p> <p>Store vial at 4C prior to opening. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20C or below. Avoid cycles of freezing and thawing.</p>
<b>Host</b>	Goat
<b>Species</b>	Mouse
<b>Specificity/Sensitivity</b>	No reaction was observed against Mouse IgG F(c).
<b>Immunogen</b>	Mouse IgG F(ab') <sub>2</sub> fragment
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Dot Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
<b>Recommended Dilutions</b>	Western Blot 1:2, Flow Cytometry, ELISA 1:20000 - 1:100000, Immunohistochemistry 1:1000 - 1:5000, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Frozen 1:1000 - 1:5000, Dot Blot
<b>Application Notes</b>	This product has been tested by ELISA and is suitable for ELISA, western blot, and immunohistochemistry, as well as other assays requiring lot-to-lot consistency.

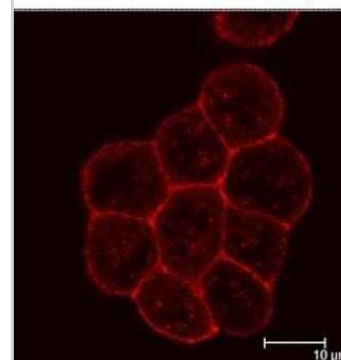
## Images

Western Blot: Goat anti-Mouse IgG F(ab')<sub>2</sub> Secondary Antibody [NB7588] - Lane 1: Mouse IgG. Lane 2: none. Load: 50 ng per lane. Primary antibody: none. Secondary antibody: Rhodamine goat secondary antibody at 1:1,000 for 60 min at RT. Block: incubated with blocking buffer for 30 min at RT. Predicted/Observed size: 25 & 55 kDa, 25 & 55 kDa for Goat IgG. Other band(s): none.



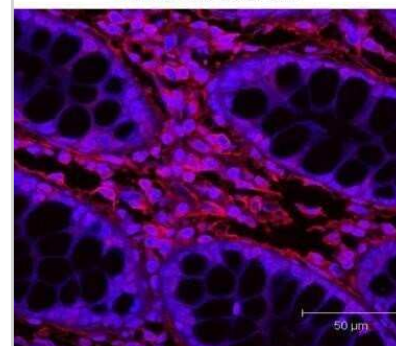
Immunocytochemistry/Immunofluorescence: Goat anti-Mouse IgG F(ab')<sub>2</sub> Secondary Antibody [NB7588]

**Red:** Anti-mouse Cy5



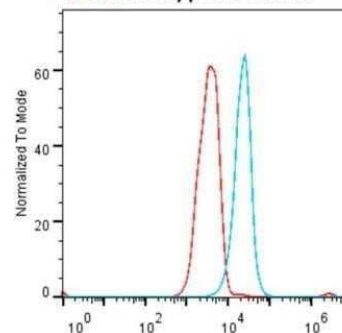
Immunohistochemistry: Goat anti-Mouse IgG F(ab')<sub>2</sub> Secondary Antibody [NB7588] - Analysis of paraffin embedded human colonic tissue. Image from verified customer review.

**Red:** Cy5  
**Blue:** Nuclei stain



Flow Cytometry: Goat anti-Mouse IgG F(ab')<sub>2</sub> Secondary Antibody [NB7588]

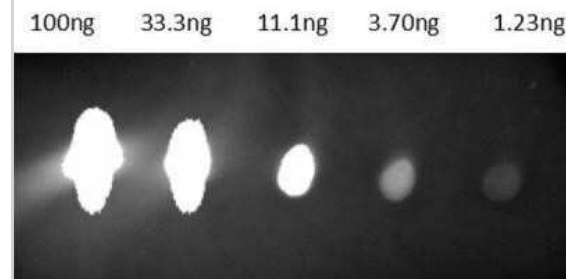
**Blue:** Anti-mouse Cy5  
**Red:** Isotype control



Immunohistochemistry: Goat anti-Mouse IgG F(ab')<sub>2</sub> Secondary Antibody [NB7588] - Analysis of mouse frozen tissue. Goat anti-Mouse Cy5 was used as a secondary antibody. Image from verified customer review.



Dot Blot: Goat anti-Mouse IgG F(ab')<sub>2</sub> Secondary Antibody [NB7588] - Dots are Mouse IgG: (1) 100ng, (2) 33.3ng, (3) 11.1ng, (4) 3.70ng, (5) 1.23ng. Primary Antibody: none. Secondary Antibody: Goat anti-Mouse IgG Secondary Antibody (Pre-absorbed) Conjugate at 1ug/mL blocked for 1hr at RT. Imaged with BioRad ChemiDoc, Fluorescein filter. Image from the Cy5.5 version of this antibody.



Dot Blot: Goat anti-Mouse IgG F(ab')<sub>2</sub> Secondary Antibody [NB7588] - Mouse IgG. Load: Lane 1 - 50ng Lane 2 - 16.67ng Lane 3 - 5.56ng Lane 4 - 1.85ng Lane 5 - 0.62ng



## Publications

Hijano DR, Siefker DT, Shrestha B et al. Type I Interferon Potentiates IgA Immunity to Respiratory Syncytial Virus Infection During Infancy Sci Rep 2018-07-25 [PMID: 30038294] (IF/IHC)

Saribas AS, DeVoto J, Golla A Et al. Discovery and characterization of novel trans-spliced products of human polyoma JC virus late transcripts from PML patients J Cell Physiol 2017-10-19 [PMID: 29044559]

Details:

Citation using the Rhodamine version of this antibody.

Garafola CS, Henn FA. A change in hippocampal protocadherin gamma expression in a learned helpless rat Brain Res 2014-12-03 [PMID: 25446008] (IHC-FrFI, IHC-Fr)

Details:

Citation using the Cy3 version of this 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  
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 NB7588**

---

NBP1-96816	Donkey IgG F(ab') <sub>2</sub> Isotype Control [Biotin]
------------	---

---

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Secondary 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/NB7588](http://www.novusbio.com/reviews/submit/NB7588)

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

