

# Product Datasheet

## Integrin alpha V/CD51 Antibody (10T9N2) NBP3-15647-100ul

Unit Size: 100 ul

Store at -20C. 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/NBP3-15647](http://www.novusbio.com/NBP3-15647)

Updated 1/18/2024 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/NBP3-15647](http://www.novusbio.com/reviews/destination/NBP3-15647)



**NBP3-15647-100ul**

Integrin alpha V/CD51 Antibody (10T9N2)

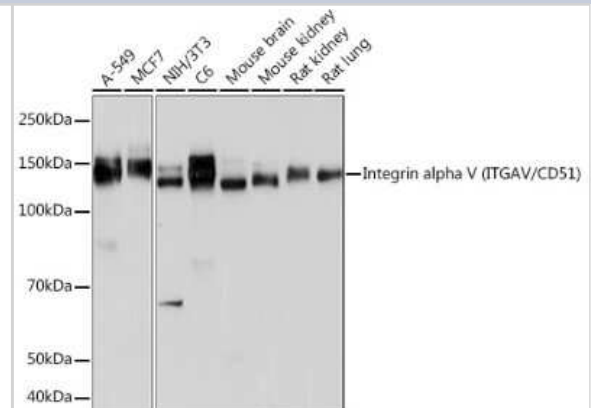
| Product Information |   |
|---------------------|---|
| Unit Size           | 100 ul  |
| Concentration       | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at -20C. Avoid freeze-thaw cycles.  |
| Clonality           | Monoclonal  |
| Clone               | 10T9N2  |
| Preservative        | 0.05% Proclin 300   |
| Isotype             | IgG   |
| Purity              | Affinity purified   |
| Buffer              | PBS, 0.05% BSA, 50% glycerol, pH7.3   |

| Product Description |  |
|---------------------|--|
| Host                | Rabbit   |
| Gene ID             | 3685   |
| Gene Symbol         | ITGAV  |
| Species             | Human, Mouse, Rat  |
| Immunogen           | A synthetic peptide corresponding to a sequence within amino acids 949-1048 of human Integrin alpha V/CD51 (NP_002201.2).<br>SLKSSASFNVIEFPYKNLPIDITNSTLVTTNVTWGIQPAPMPVPVWVILAVLAG<br>LLLLAVLVFVMYRMGFFKRVPPQEEQEREQLQPHENGEGNSET |

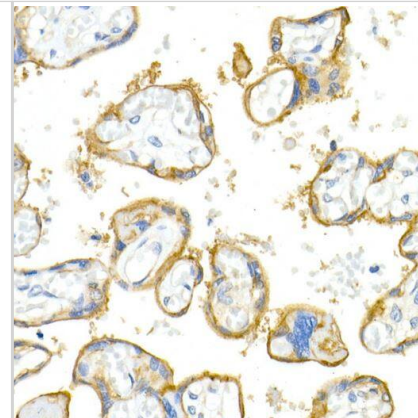
| Product Application Details |  |
|-----------------------------|--|
| Applications                | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin   |
| Recommended Dilutions       | Western Blot 1:500 - 1:1000, Flow Cytometry 1:50 - 1:200, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence<br>Validated from a verified customer review, Immunohistochemistry-Paraffin |

**Images**

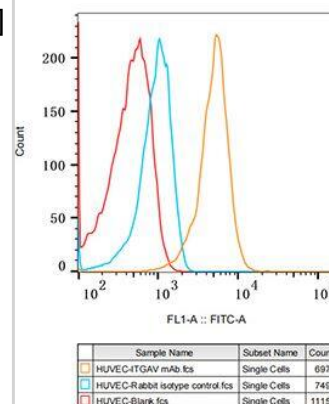
Western Blot: Integrin alpha V/CD51 Antibody (7O8N2) [NBP3-15647] - Analysis of extracts of various cell lines, using Integrin alpha V/CD51 (ITGAV/CD51) antibody (NBP3-15647) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.



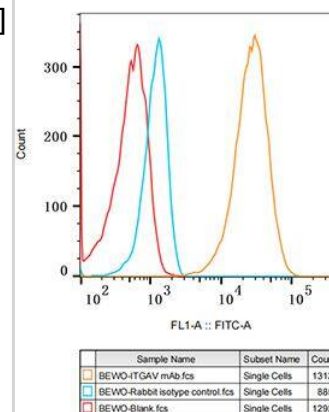
**Immunohistochemistry-Paraffin: Integrin alpha V/CD51 Antibody (7O8N2) [NBP3-15647]** -Human placenta using Integrin alpha V (ITGAV/CD51) Rabbit mAb at dilution of 1:100(40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



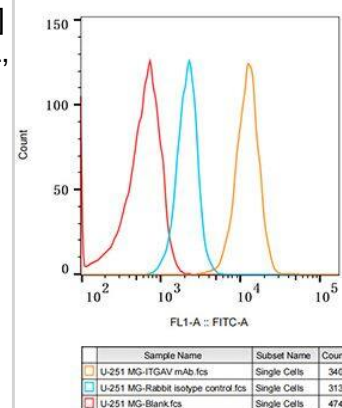
**Flow Cytometry: Integrin alpha V/CD51 Antibody (7O8N2) [NBP3-15647]** - HUVEC cells were stained with Rabbit IgG isotype control ( 2.5 ug/mL, blue line) or Integrin alpha V (ITGAV/CD51) Rabbit mAb 2.5 ug/mL (orange line), followed by FITC conjugated goat anti-rabbit pAb (1:200 dilution) staining. Non-fluorescently stained HUVEC cells were used as blank control (red line).



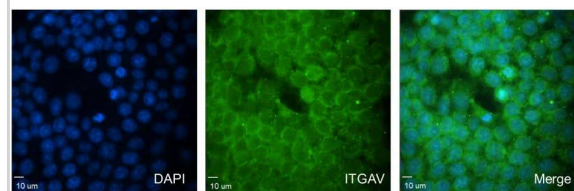
**Flow Cytometry- Integrin alpha V/CD51 Antibody (7O8N2) [NBP3-15647]** -BEWO cells were stained with Rabbit IgG isotype control ( 2.5 ug/mL, blue line) or Integrin alpha V (ITGAV/CD51) Rabbit mAb (2.5 ug/mL orange line), followed by FITC conjugated goat anti-rabbit pAb (1:200 dilution). Non-fluorescently stained BEWO cells were used as blank control (red line).



**Flow Cytometry: Integrin alpha V/CD51 Antibody (7O8N2) [NBP3-15647]** -U-251 MG cells were stained with Rabbit IgG isotype control (2.5 ug/mL, blue line) or Integrin alpha V (ITGAV/CD51) Rabbit mAb (2.5 ug/mL orange line), followed by FITC conjugated goat anti-rabbit pAb (1:200 dilution). Non-fluorescently stained U-251 MG cells were used as blank control (red line).



ICC/IF: Integrin alpha V/CD51 Antibody (7O8N2) [NBP3-15647] -ITGAV Antibody [NBP3-15647] was used (1:100) for labeling and microscopy analysis of the distribution of ITGAV proteins in SUM159 cells. Validated customer review.





### **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 NBP3-15647-100ul**

|               |   |
|---------------|---|
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891    | Rabbit IgG Isotype Control                          |
| NBP1-85746PEP | Integrin alpha V/CD51 Recombinant Protein Antigen   |

### **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/NBP3-15647](http://www.novusbio.com/reviews/submit/NBP3-15647)

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

