

# Product Datasheet

## alpha-Smooth Muscle Actin Antibody (1A4) [Janelia Fluor® 549] FAB1420I

Unit Size: 0.1 ml

Store at 4C in the dark.

[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/FAB1420I](http://www.novusbio.com/FAB1420I)

Updated 9/11/2024 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/FAB1420I](http://www.novusbio.com/reviews/destination/FAB1420I)



**FAB1420I**

alpha-Smooth Muscle Actin Antibody (1A4) [Janelia Fluor® 549]

| Product Information |   |
|---------------------|---|
| Unit Size           | 0.1 ml  |
| Concentration       | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C in the dark.  |
| Clonality           | Monoclonal  |
| Clone               | 1A4   |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG2a   |
| Conjugate           | Janelia Fluor 549   |
| Purity              | Protein A or G purified from hybridoma culture supernatant                                  |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |   |
|-------------------------|---|
| Host                    | Mouse   |
| Gene ID                 | 59  |
| Gene Symbol             | ACTA2   |
| Species                 | Human, Mouse, Rat   |
| Specificity/Sensitivity | Detects human $\alpha$ -Smooth Muscle Actin.  |
| Immunogen               | Peptide corresponding to residues EEEDSTALVC of the N-term of human $\alpha$ -smooth muscle actin (1) |
| Notes                   | Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.                 |

| Product Application Details |   |
|-----------------------------|---|
| Applications                | Western Blot, Simple Western, Immunohistochemistry, CyTOF-ready, Dual RNAscope ISH-IHC, Immunocytochemistry, Intracellular Staining by Flow Cytometry |
| Recommended Dilutions       | Western Blot, Simple Western, Immunohistochemistry, Intracellular Staining by Flow Cytometry, Immunocytochemistry, CyTOF-ready, Dual RNAscope ISH-IHC |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.  |





### **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 FAB1420I**

---

|                    |  |
|--------------------|--|
| H00000059-P01-10ug | Recombinant Human alpha-Smooth Muscle Actin GST (N-Term) Protein |
| DVE00              | VEGF [HRP]   |
| NBP2-66429         | Mouse alpha-Smooth Muscle Actin ELISA Kit (Colorimetric)         |
| 233-FB-025         | FGF basic/FGF2/bFGF [Unconjugated]                               |

---

### **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/FAB1420I](http://www.novusbio.com/reviews/submit/FAB1420I)

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

