

# Product Datasheet

## BoNT-E Light Chain Antibody [Janelia Fluor® 646] AF5424J

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/AF5424J](http://www.novusbio.com/AF5424J)

Updated 5/14/2025 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/AF5424J](http://www.novusbio.com/reviews/destination/AF5424J)



**AF5424J**

BoNT-E Light Chain Antibody [Janelia Fluor® 646]

| 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                   | Polyclonal                                                                                                                                                                                                                                                            |
| Preservative                | 0.05% Sodium Azide                                                                                                                                                                                                                                                    |
| Isotype                     | IgG                                                                                                                                                                                                                                                                   |
| Conjugate                   | Janelia Fluor 646                                                                                                                                                                                                                                                     |
| Purity                      | Antigen Affinity-purified                                                                                                                                                                                                                                             |
| Buffer                      | 50mM Sodium Borate                                                                                                                                                                                                                                                    |
| Product Description         |                                                                                                                                                                                                                                                                       |
| Host                        | Goat                                                                                                                                                                                                                                                                  |
| Species                     | <i>C. botulinum</i>                                                                                                                                                                                                                                                   |
| Reactivity Notes            | <i>C. botulinum</i>                                                                                                                                                                                                                                                   |
| Specificity/Sensitivity     | Detects <i>C. botulinum</i> BoNT-E Light Chain in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 10% cross-reactivity with rBoNT-B LC is observed and less than 1% cross-reactivity with rBoNT-C HCR and rBoNT-D HCR is observed. |
| Immunogen                   | <i>E. coli</i> -derived recombinant <i>C. botulinum</i> BoNT-E Light Chain<br>Pro2-Ile403<br>Accession # P30995                                                                                                                                                       |
| Notes                       | Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.                                                                                                                                                                                 |
| Product Application Details |                                                                                                                                                                                                                                                                       |
| Applications                | Western Blot                                                                                                                                                                                                                                                          |
| Recommended Dilutions       | Western Blot                                                                                                                                                                                                                                                          |
| 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 AF5424J**

---

|             |                                              |
|-------------|----------------------------------------------|
| AB-108-CJ   | Goat IgG Isotype Control [Janelia Fluor 646] |
| 5424-ZN-010 | BoNT-E Light Chain [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/AF5424J](http://www.novusbio.com/reviews/submit/AF5424J)

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

