

# Product Datasheet

## Claudin-4 Antibody [PE] NBP2-41187PE

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/NBP2-41187PE](http://www.novusbio.com/NBP2-41187PE)

Updated 11/11/2025 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/NBP2-41187PE](http://www.novusbio.com/reviews/destination/NBP2-41187PE)



**NBP2-41187PE**

Claudin-4 Antibody [PE]

| 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                   | PE                                                                                                                                                                                                                                                                                                       |
| Purity                      | Peptide affinity purified                                                                                                                                                                                                                                                                                |
| Buffer                      | PBS                                                                                                                                                                                                                                                                                                      |
| Product Description         |                                                                                                                                                                                                                                                                                                          |
| Host                        | Rabbit                                                                                                                                                                                                                                                                                                   |
| Gene ID                     | 1364                                                                                                                                                                                                                                                                                                     |
| Gene Symbol                 | CLDN4                                                                                                                                                                                                                                                                                                    |
| Species                     | Human                                                                                                                                                                                                                                                                                                    |
| Reactivity Notes            | Immunogen displays the following percentage of sequence identity for non-tested species: Rat (88%).                                                                                                                                                                                                      |
| Specificity/Sensitivity     | At least four isoforms of Claudin-4 are known to exist; Claudin-4 antibody will detect all four isoforms. Human Claudin-4 has one isoform (209aa, 22kD). Mouse Claudin-4 has one isoform (210aa, 22kD) and Rat Claudin-4 also has one isoform (210aa, 22kD). NBP2-41187 can detect human, mouse and rat. |
| Immunogen                   | Antibody was raised against a peptide corresponding to 17 amino acids near the carboxy terminus of human Claudin-4. The immunogen is located within the last 50 amino acids of Claudin-4. Amino Acid Sequence: PPRTDKPYSAKYSAR                                                                           |
| Product Application Details |                                                                                                                                                                                                                                                                                                          |
| Applications                | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence                                                                                                                                                                                                                                             |
| Recommended Dilutions       | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence                                                                                                                                                                                                                                             |
| 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](http://www.novusbio.com)  
Technical Support: [nb-technical@bio-techne.com](mailto:nb-technical@bio-techne.com)  
Orders: [nb-customerservice@bio-techne.com](mailto:nb-customerservice@bio-techne.com)  
General: [novus@novusbio.com](mailto:novus@novusbio.com)

### **Products Related to NBP2-41187PE**

---

|            |                                          |
|------------|------------------------------------------|
| NBP2-24983 | Rabbit IgG Isotype Control [PE]          |
| 236-EG-200 | EGF [Unconjugated]                       |
| NBP2-75330 | Human Claudin-4 ELISA Kit (Colorimetric) |
| 210-TA-005 | TNF-alpha [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/NBP2-41187PE](http://www.novusbio.com/reviews/submit/NBP2-41187PE)

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

