

# Product Datasheet

## **P2X7/P2RX7 Antibody (Hano43) [Alexa Fluor™ Plus 680] NBP1-40894AFP680**

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/NBP1-40894AFP680](http://www.novusbio.com/NBP1-40894AFP680)

Updated 4/12/2026 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/NBP1-40894AFP680](http://www.novusbio.com/reviews/destination/NBP1-40894AFP680)



**NBP1-40894AFP680**

P2X7/P2RX7 Antibody (Hano43) [Alexa Fluor™ Plus 680]

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	Hano43
Preservative	0.05% Sodium Azide
Isotype	IgG2b
Conjugate	Alexa Fluor Plus 680
Purity	Protein G purified
Buffer	50mM Sodium Borate

Product Description	
Host	Rat
Gene ID	5027
Gene Symbol	P2RX7
Species	Mouse
Specificity/Sensitivity	This antibody recognises the P2X purinoceptor 7, also known as P2X7. The P2X7 ATP receptor has a distinctive long C-terminal tail with multiple potential protein and lipid interaction motifs and is highly polymorphic. It is a cation selective ion channel that opens up on binding of extracellular ATP. Sustained activation by extracellular ATP results in the formation of a reversible pore in the plasma membrane that is permeable to hydrophilic solutes of up to 900 Da. Once a pore is opened massive upset of cytoplasmic ion homeostasis occurs and the pore stays open as long as it is bound by ATP. Should ATP stimulation continue the cell will become irreversibly damaged and die. P2X7 plays a key role in the maturation and release of IL-1 and other IL-1 family members during inflammation. As such, P2X7 blockers might be useful as anti-inflammatory agents.
Immunogen	A P2X7-expression construct and a final boost with P2X7-transfected HEK cells
Notes	This product is provided under an intellectual property license from Life Technologies Corporation. The transfer of this product is conditioned on the buyer using the purchased product solely in research conducted by the buyer, excluding contract research or any fee for service research, and the buyer must not (1) use this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; or (c) manufacturing or quality assurance or quality control, and/or (2) sell or transfer this product or its components for resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@thermofisher.com">outlicensing@thermofisher.com</a> . This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.

Product Application Details	
Applications	Flow Cytometry



<b>Recommended Dilutions</b>	Flow Cytometry
<b>Application Notes</b>	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 NBP1-40894AFP680**

---

H00005027-P01-2ug	Recombinant Human P2X7/P2RX7 GST (N-Term) Protein
210-TA-005	TNF-alpha [Unconjugated]
NBL1-14033	P2X7/P2RX7 Overexpression Lysate
201-LB-005	IL-1 beta/IL-1F2 [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/NBP1-40894AFP680](http://www.novusbio.com/reviews/submit/NBP1-40894AFP680)

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

