

# Product Datasheet

## **B7-1/CD80 Antibody (RM80) [PerCP] NBP3-11977PCP**

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/NBP3-11977PCP](http://www.novusbio.com/NBP3-11977PCP)

Updated 7/11/2023 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/NBP3-11977PCP](http://www.novusbio.com/reviews/destination/NBP3-11977PCP)



**NBP3-11977PCP**

B7-1/CD80 Antibody (RM80) [PerCP]

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	RM80
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Conjugate	PerCP
Purity	Protein A purified
Buffer	PBS
Product Description	
Host	Rat
Gene ID	941
Gene Symbol	CD80
Species	Mouse
Specificity/Sensitivity	This antibody is specific for murine B7-1/CD80, a ~55 kDa member of the Ig superfamily. B7-1/CD80 is expressed by macrophages, dendritic cells, activated B cells, and activated T cells. B7-1/CD80 has high affinity for binding to two T cell surface antigens, CD28 and CD152 (CTLA-4). The interaction of CD28 and CD152 with B7-1/CD80 is crucial in T-B cell communication leading to the activation of T and B cells, respectively.
Immunogen	This antibody was raised by immunising Sprague Dawley rats with a mouse B cell line, BCL1 and fusing immune splenocytes with P3U1 myeloma cells.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, Block/Neutralize, Functional Assay
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Block/Neutralize, Functional Assay
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  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP3-11977PCP**

---

NBP1-51104PCP	Rat IgG2a Isotype Control (KLH/G2a-1-1) [PerCP]
NBP2-26578	Recombinant Mouse B7-1/CD80 Protein
210-TA-005	TNF-alpha [Unconjugated]
740-B1-100	B7-1/CD80 [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/NBP3-11977PCP](http://www.novusbio.com/reviews/submit/NBP3-11977PCP)

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

