

# Product Datasheet

## **B7-1/CD80 Antibody (16C10) - Chimeric - Azide and BSA Free NBP3-12027-0.2mg**

Unit Size: 0.2 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

[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/NBP3-12027](http://www.novusbio.com/NBP3-12027)

Updated 5/1/2025 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/NBP3-12027](http://www.novusbio.com/reviews/destination/NBP3-12027)



**NBP3-12027-0.2mg**

B7-1/CD80 Antibody (16C10) - Chimeric - Azide and BSA Free

**Product Information**

<b>Unit Size</b>	0.2 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	16C10
<b>Preservative</b>	0.02% Proclin 300
<b>Isotype</b>	IgG Lambda
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS

**Product Description**

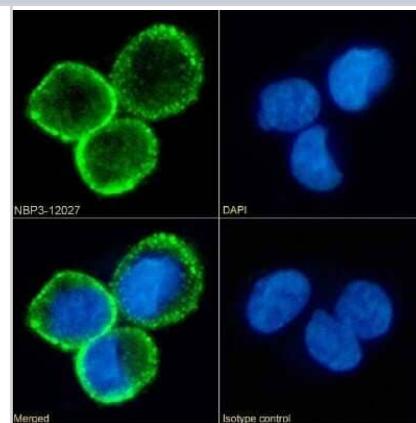
<b>Host</b>	Rabbit
<b>Gene ID</b>	941
<b>Gene Symbol</b>	CD80
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	This antibody binds human B7-1/CD80 and inhibits the B7.1:CD28 pathway.
<b>Immunogen</b>	This antibody was generated by immunization of cynomolgus monkeys with human B7.1 antigen.

**Product Application Details**

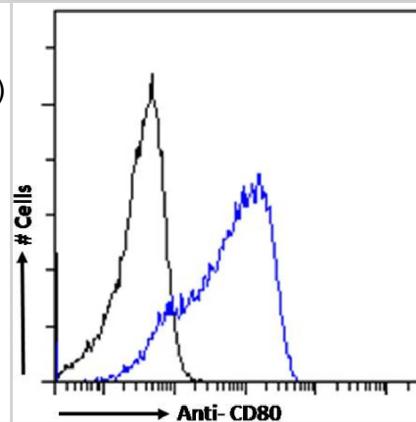
<b>Applications</b>	ELISA, Immunocytochemistry/ Immunofluorescence, Block/Neutralize
<b>Recommended Dilutions</b>	ELISA, Immunocytochemistry/ Immunofluorescence, Block/Neutralize
<b>Application Notes</b>	This chimeric rabbit antibody was made using the variable domain sequences of the original IgG1 format, for improved compatibility with existing reagents, assays and techniques.

## Images

Immunocytochemistry/Immunofluorescence: B7-1/CD80 Antibody (16C10) - Chimeric [NBP3-12027] - Immunofluorescence analysis of paraformaldehyde fixed Daudi cells on Shi-fix(TM) coverslips stained with the chimeric rabbit IgG version of 16C10 (NBP3-12027) at 10 ug/ml for 1h followed by Alexa Fluor(R) 488 secondary antibody (2 ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP3-12027, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor(R) 488 secondary antibody.



Flow Cytometry: B7-1/CD80 Antibody (16C10) - Chimeric - Azide and BSA Free [NBP3-12027] - Daudi cells were fixed using 2% PFA and stained with anti-unknown specificity antibody (isotype control, black line) or NBP3-12027 (blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.





## 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 NBP3-12027-0.2mg

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-26578	Recombinant Mouse B7-1/CD80 Protein
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/NBP3-12027](http://www.novusbio.com/reviews/submit/NBP3-12027)

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