

# Product Datasheet

## CD40/TNFRSF5 Antibody (5C3) - BSA Free NBP1-43416-0.1mg

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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**NBP1-43416-0.1mg**

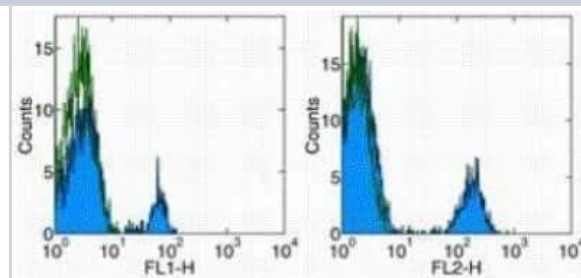
CD40/TNFRSF5 Antibody (5C3) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	5C3
Preservative	0.09% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	PBS (pH 7.2)
Product Description	
Host	Mouse
Gene ID	958
Gene Symbol	CD40
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (Chechneva O et al).
Immunogen	The immunogen for this antibody was CD40.
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Flow Cytometry 1:10-1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	The 5C3 antibody has been tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at less than or equal to 1 ug per test. Cell number should be determined empirically but can range from 10 <sup>5</sup> to 10 <sup>8</sup> cells/test. This antibody may also be used for immunohistochemical staining of frozen tissue sections. 5C3 has also been reported in in vitro functional studies.

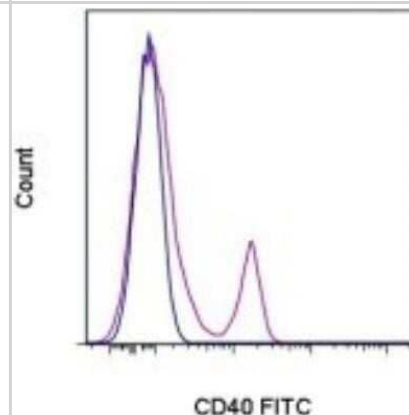


## Images

Flow Cytometry: CD40/TNFRSF5 Antibody (5C3) [NBP1-43416] - Analysis using the PE conjugate of NBP1-43416. Analysis of human peripheral blood leukocytes using CD40 PE conjugate. This can be used at less than or equal to 1 ug per test. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test.



Flow Cytometry: CD40/TNFRSF5 Antibody (5C3) [NBP1-43416] - Analysis using the FITC conjugate of NBP1-43416. Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control FITC (blue histogram) or Anti-Human CD40 FITC (purple histogram). Cells in the lymphocyte gate were used for analysis.



## Publications

Woodruff M, Ramonell R, Cashman K et al. Critically ill SARS-CoV-2 patients display lupus-like hallmarks of extrafollicular B cell activation medRxiv 2020-05-03 [PMID: 32511635]

Chechneva O, Mayrhofer F, Dariychuk Z et al. p38a in CD11c+ cells drives sex-specific differences during progression of autoimmune demyelination bioRxiv 2018-08-20 (IF/IHC, Mouse)



### 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 NBP1-43416-0.1mg

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-51628-0.05mg	Recombinant Human CD40/TNFRSF5 His Protein

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### 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.

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