

Product Datasheet

Perforin Antibody (CB5.4) - BSA Free NBP1-97512

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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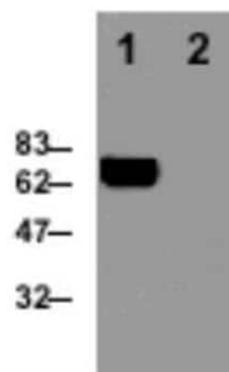
NBP1-97512

Perforin Antibody (CB5.4) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CB5.4
Preservative	0.02% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS
Product Description	
Host	Rat
Gene ID	5551
Gene Symbol	PRF1
Species	Mouse
Specificity/Sensitivity	Recognizes mouse perforin (region aa 402-534).
Immunogen	Recombinant mouse perforin (aa 98-534).
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500

Images

Western Blot: Perforin Antibody (CB5.4) [NBP1-97512] - Detection of perforin in the mouse T cell clone B6.1. (lane 1). Absence of perforin in the mouse fibroblast cell line NIH.3T3 (lane 2). The protein migrates as a 66 kDa species. Method: Cell extracts from the T cell clone B6.1 (2×10^6) were resolved by SDS-PAGE under reducing conditions, transferred to nitrocellulose and probed with the CB5.4 antibody at 1 ug/ml. Proteins were visualized using a peroxidase-conjugated antibody to rat IgG and a chemiluminescence detection system.



Publications

EI Meskini R, Atkinson D, Kulaga A et al. Distinct Biomarker Profiles and TCR Sequence Diversity Characterize the Response to PD-L1 Blockade in a Mouse Melanoma Model Molecular Cancer Research 2021-08-01 [PMID: 33888600] (Immunohistochemistry)

Jurado Kellie A, Yockey Laura J, Wong Patrick W et al. Antiviral CD8 T cells induce Zika-virus-associated paralysis in mice. Nature Microbiology 2017-11-20 [PMID: 29158604] (IF, Mouse)

Rah SY, Kwak JY, Chung YJ, Kim UH ADP-ribose/TRPM2-mediated Ca²⁺) signaling is essential for cytolytic degranulation and antitumor activity of natural killer cells. Sci Rep 2015-03-25 [PMID: 25879940] (ICC/IF, Mouse)

Details:

This publication used the DL550 conjugated form of this antibody (NB110-81601R)

JE Dalton et al. Fas-Fas Ligand Interactions Are Essential for the Binding to and Killing of Activated Macrophages by $\gamma\delta$ T Cells. J. Immunol. 173, 3660. 2004-01-01 [PMID: 15356111]

S Crider-Pirkle et al. Cubilin, a binding partner for galectin-3 in the murine utero-placental complex. J. Biol. Chem. 277, 15904. 2002-01-01 [PMID: 11856751]

M Dupuis et al. The calcium-binding protein calreticulin is a major constituent of lytic granules in cytolytic T lymphocytes. J. Exp. Med. 177, 1. 1993-01-01 [PMID: 8418194]

C Muller & J Tschopp. Resistance of CTL to perforin-mediated lysis. Evidence for a lymphocyte membrane protein interacting with perforin. J. Immunol. 153, 2470. 1994-01-01 [PMID: 7521362]





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 NBP1-97512

HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NBP1-75398	Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed)
NBP2-21947-0.1mg	Rat IgG2a Isotype Control (2A3)
NBP1-97512IR	Perforin Antibody (CB5.4) [DyLight 755]

Limitations

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