

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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Publications: 7

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NBP1-97512

Perforin Antibody (CB5.4) - BSA Free

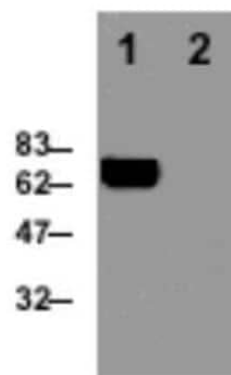
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CB5.4
Preservative	0.02% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Rat Perforin Antibody (CB5.4) - BSA Free (NBP1-97512) is a monoclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-Perforin Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
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, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, 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]

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]





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Products Related to NBP1-97512

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NB7115	Goat anti-Rat IgG (H+L) Secondary Antibody [HRP]
NBP2-21947-0.1mg	Rat IgG2a Isotype Control (2A3)

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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