

Anti-Perforin Purified PRF1 Monoclonal Antibody

Catalog Number: M01429-1

About PRF1

Perforin is a 70 kDa cytolytic protein with structural and functional similarities to complement component 9 (C9). It is stored in cytoplasmic granules of cytotoxic T cells and NK cells and after its release it forms transmembrane pores in the target cells to kill it. As perforin is a key effector molecule for cell-mediated cytotoxicity, defects of its gene can cause severe disorders.

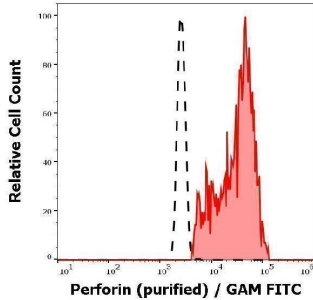
Overview

Product Name	Anti-Perforin Purified PRF1 Monoclonal Antibody
Reactive Species	Cow, Human
Description	Boster Bio Anti-Perforin Purified PRF1 Monoclonal Antibody (Catalog# M01429-1). Tested in Flow Cytometry, IP, IHC-P, IHC-F, ICC application(s). This antibody reacts with Human, Cow.
Application	Flow Cytometry, IP, IHC-P, IHC-F, ICC
Clonality	Monoclonal dG9
Formulation	Tris buffered saline (TBS), pH 8.0, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	P14222

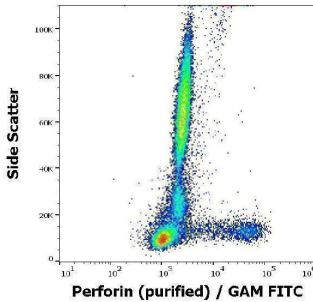
Technical Details

Immunogen	purified granules from human YT lymphoma cell line. The mouse monoclonal antibody dG9 (also known as deltaG9) recognizes perforin, a 70 kDa protein expressed in cytoplasmic granules of cytotoxic T cells and NK cells.
Predicted Reactive Species	Primate
Isotype	Mouse IgG2b kappa
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Flow cytometry: 3-12 ug/ml. Intracellular staining.

Anti-Perforin Purified PRF1 Monoclonal Antibody (M01429-1) Images



Separation of perforin positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (intracellular staining) of human peripheral whole blood using anti-human perforin (dG9) purified antibody (concentration in sample 2 µg/ml, GAM FITC).



Flow cytometry intracellular staining pattern of human peripheral whole blood stained using anti-human Perforin (dG9) purified antibody (concentration in sample 2 µg/ml, GAM FITC).

1 Publications Citing This Product

1. PubMed ID: 33513976, Ferguson Bennit HR, Gonda A, Kabagwira J, Oppegard L, Chi D, Licero Campbell J, De Leon M, Wall NR. Natural Killer Cell Phenotype and Functionality Affected by Exposure to Extracellular Survivin and Lymphoma-Derived Exosomes. *Int J Mol Sci*. 2021 Jan 27;22(3):1255.d

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