

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	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:
Boster Bio's internal QC testing used:
Flow cytometry: 3-12 ug/ml. Intracellular staining.

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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