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30-1553: Anti-Perforin Monoclonal Antibody (Clone:dG9)

Clonality :	Monoclonal
Clone Name :	dG9
Application :	FACS
Reactivity :	Human
Gene :	PRF1
Gene ID :	5551
Uniprot ID :	P14222
Format :	Purified
Alternative Name :	PRF1,PFP
Isotype :	Mouse IgG2b
Immunogen Information :	purified granules from human YT lymphoma cell line

Description

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 cytolysis, defects of its gene can cause severe disorders.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow Cytometry- intracellular staining, Immunoprecipitation, Immunohistochemistry (frozen sections), Immunocytochemistry

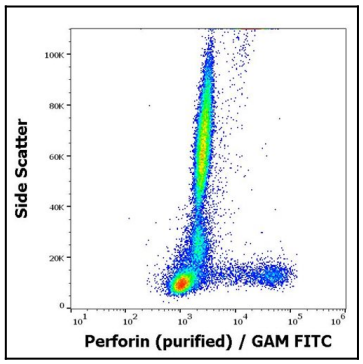


Figure 1: Flow cytometry intracellular staining pattern of human peripheral whole blood stained using anti-human Perforin (dG9) purified antibody

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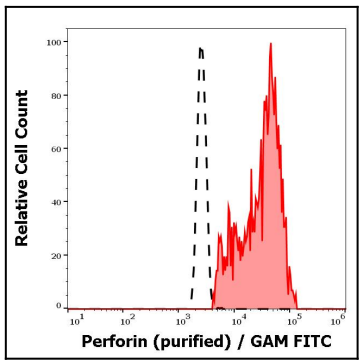


Figure 2: Separation of perforin positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (intracelluar staining) of human peripheral whole blood using anti-human perforin (dG9) purified antibody

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