

Product datasheet for **AM00176RP-N**

Perforin (PRF1) Mouse Monoclonal Antibody [Clone ID: dG9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	dG9
Applications:	FC
Recommended Dilution:	Flow cytometry analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Reactivity:	Bovine, Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Purified granules from human YT lymphoma cell line
Specificity:	This antibody recognizes perforin, a 70 kDa protein expressed in cytoplasmic granules of cytotoxic T cells and NK cells.
Formulation:	Phosphate buffered saline (PBS) Label: PE State: Liquid purified Ig fraction Stabilizer: 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA) Preservative: 15 mM sodium azide Label: Conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use.
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	perforin 1
Database Link:	Entrez Gene 5551 Human P14222



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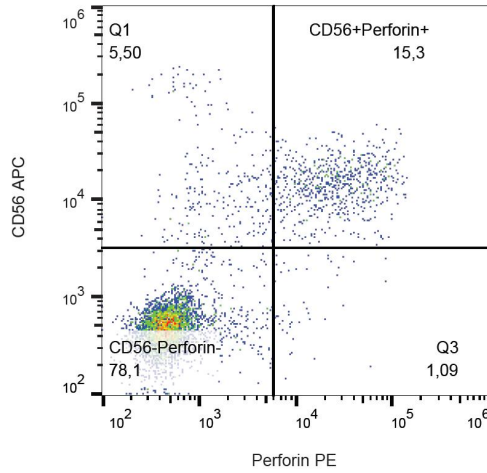
Background:

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.

Synonyms:

Perforin-1, Pore forming protein, PFN, PFP, Cytolysin

Product images:



Intracellular staining of perforin in human peripheral blood cells with anti-perforin (dG9) PE.