

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	dG9
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	PRF1
<b>Gene ID :</b>	5551
<b>Uniprot ID :</b>	P14222
<b>Format :</b>	Purified
<b>Alternative Name :</b>	PRF1,PFP
<b>Isotype :</b>	Mouse IgG2b
<b>Immunogen Information :</b>	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 cytotoxicity, defects of its gene can cause severe disorders.

#### Product Info

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

#### Application Note

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

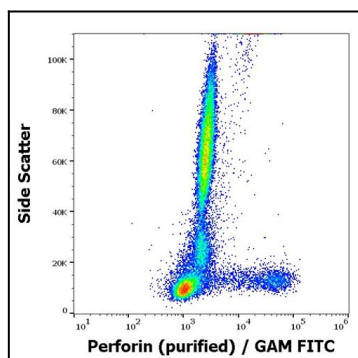


Figure 1: Flow cytometry intracellular staining pattern of human peripheral whole blood stained using anti-human Perforin (dG9) purified antibody

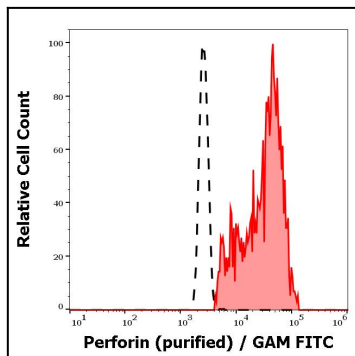


Figure 2: Separation of perforin positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (intracellular staining) of human peripheral whole blood using anti-human perforin (dG9) purified antibody