

## Product Datasheet

### Perforin Antibody (FITC) (orb1562575)

<b>Catalog Number</b>	orb1562575
<b>Category</b>	Antibodies
<b>Description</b>	Perforin Antibody (FITC)
<b>Target</b>	Perforin
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	Mouse IgG2b kappa
<b>Conjugation</b>	FITC
<b>Reactivity</b>	Bovine, Human
<b>Buffer/Preservatives</b>	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Purification</b>	Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
<b>Immunogen</b>	purified granules from human YT lymphoma cell line
<b>UniProt ID</b>	<b>P14222</b>
<b>Tested applications</b>	FC
<b>Application notes</b>	Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests. Intracellular staining.
<b>Specificity</b>	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.

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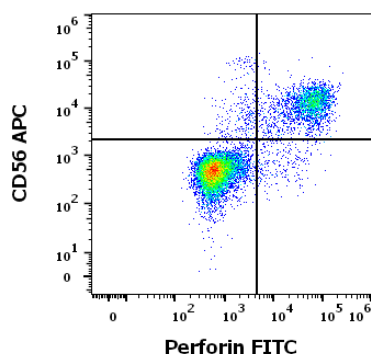
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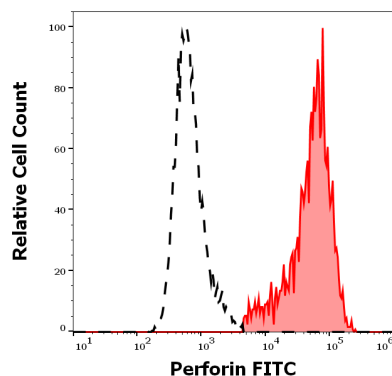
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<b>Clone Number</b>	dG9
<b>Storage</b>	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.
<b>Note</b>	For research use only
<b>Entrez</b>	<b>5551</b>
<b>Expiration Date</b>	12 months from date of receipt.



Flow cytometry multicolor surface staining pattern of human lymphocytes using anti-human CD56 (LT56) APC antibody (10 µl reagent / 100 µl of peripheral whole blood) and intracellular staining of human lymphocytes using anti-human Perforin (dG9) FITC antibody (10 µl reagent / 100 µl of peripheral whole blood).



Separation of human Perforin positive CD56 positive lymphocytes (red-filled) from Perforin negative CD56 negative lymphocytes (black-dashed) in flow cytometry analysis (intracellular staining) of human peripheral whole blood stained using anti-human Perforin (dG9) FITC antibody (4 µl reagent / 100 µl of peripheral whole blood).

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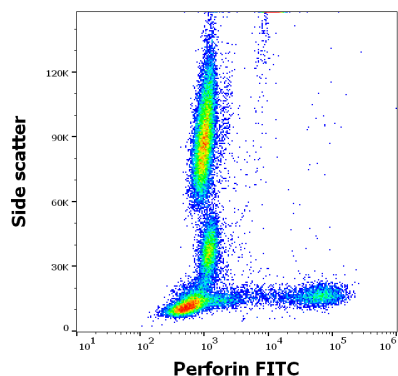
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Flow cytometry intracellular staining pattern of human peripheral whole blood stained using anti-human Perforin (dG9) FITC antibody (4  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood).

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