

Product datasheet for **TA392972**

Perforin (PRF1) Polyclonal Antibody [Clone ID: dG9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	dG9
Applications:	FC
Recommended Dilution:	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Reactivity:	Human, Cow (Does not react with: Mouse)
Isotype:	IgG2b, kappa
Clonality:	Polyclonal
Immunogen:	purified granules from human YT lymphoma cell line
Specificity:	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.
Formulation:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide Format: APC Label: Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Concentration:	lot specific



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Purification:	<p>*Vargas-Inchaustegui DA, Demberg T, Robert-Guroff M: A CD8α(-) subpopulation of macaque circulatory natural killer cells can mediate both antibody-dependent and antibody-independent cytotoxic activities. <i>Immunology</i>. 2011 Nov;134(3):326-40., URL: http://www.ncbi.nlm.nih.gov/pubmed/21978002,*Takeuchi M, Inoue T, Otani T, Yamasaki F, Nakamura S, Kibata M: Cell-in-cell structures formed between human cancer cell lines and the cytotoxic regulatory T-cell line HOZOT. <i>J Mol Cell Biol</i>. 2010 Jun;2(3):139-51., URL: http://www.ncbi.nlm.nih.gov/pubmed/20348186,*Qiu Y, Chen J, Liao H, Zhang Y, Wang H, Li S, Luo Y, Fang D, Li G, Zhou B, Shen L, Chen CY, Huang D, Cai J, Cao K, Jiang L, Zeng G, Chen ZW: Tim-3-expressing CD4+ and CD8+ T cells in human tuberculosis (TB) exhibit polarized effector memory phenotypes and stronger anti-TB effector functions. <i>PLoS Pathog</i>. 2012;8(11):e1002984., URL: http://www.ncbi.nlm.nih.gov/pubmed/23144609,*Hersperger AR, Makedonas G, Betts MR: Flow cytometric detection of perforin upregulation in human CD8 T cells. <i>Cytometry A</i>. 2008 Nov;73(11):1050-7., URL: http://www.ncbi.nlm.nih.gov/pubmed/18615597,*Hameed A, Olsen KJ, Cheng L, Fox WM, Hruban RH, Podack ER: Immunohistochemical identification of cytotoxic lymphocytes using human perforin monoclonal antibody. <i>Am J Pathol</i>. 1992 May;140(5):1025-30., URL: https://www.ncbi.nlm.nih.gov/pubmed/1374586</p>
Conjugation:	Unconjugated
Storage:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.
Stability:	Shelf life: one year from despatch.
Gene Name:	perforin 1
Database Link:	Entrez Gene 5551 Human P14222
Synonyms:	PRF1, P1, PFP, HPLH2