

## PRF1

### Mouse Anti-Human Perforin-1 (Clone B-D48) mAb, Azide Free

<b>Catalog No.</b>	CDM245A	<b>Quantity:</b>	200 µg
	CDM245B		500 µg

**Alternate Names:** P1, Cytolysin, Lymphocyte pore-forming protein, PFP

**Description:** Perforin 1 has structural and functional similarities to complement component 9 (C9). Like C9, this protein creates transmembrane tubules and is capable of lysing non-specifically a variety of target cells. This protein is one of the main cytolytic proteins of cytolytic granules, and it is known to be a key effector molecule for T-cell- and natural killer-cell-mediated cytotoxicity. Defects in this gene cause familial hemophagocytic lymphohistiocytosis type 2 (HPLH2), a rare and lethal autosomal recessive disorder of early childhood.

**UniProt ID:** P14222

**Gene ID:** 5551

**Concentration:** 1.0 mg/ml

**Specificity:** Human perforin, a 70 kDa protein.

**Hybridoma:** Myeloma X63/AG.8653 x Balb/c spleen cells

**Isotype:** Mouse IgG1 Kappa light chain

**Immunogen:** Native human perforin

**Clone:** B-D48

**Formulation:** Sterile-filtered PBS, carrier and preservative free.

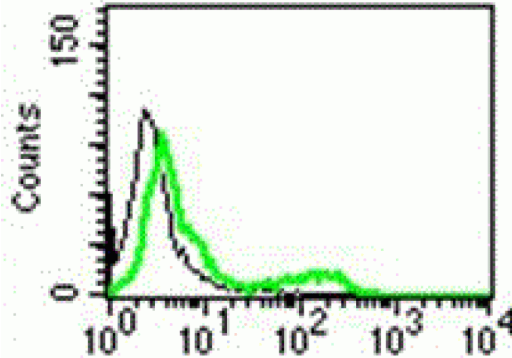
**Purification:** Ion exchange chromatography

**Applications:** ELISA, Flow Cytometry, Western Blot, IHC-F

**Storage & Stability:** Store at 2-8°C for up to 1 year or in working aliquots at -20°C to -80°C.  
**Avoid repeated freeze-thaw cycles.**



A typical staining pattern with the B-D48 monoclonal antibody of lymphocytes



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