

## PRF1

### Mouse Anti-Human Perforin-1 (Clone B-E48) mAb, Azide Free

<b>Catalog No.</b>	CDM090A	<b>Quantity:</b>	200 µg
	CDM090B		500 µg
	CDM090C		1.0 mg

**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:** Recognizes human Perforin, a 70 kDa protein

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

**Isotype:** Mouse IgG2bk

**Immunogen:** Native human perforin

**Clone:** B-E48

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

**Applications:** **ELISA:** Use as a Capture Antibody at 0.5-2.5 µg/ml in a human Perforin sandwich ELISA in combination with biotinylated human Perforin Detection Antibody (Cat No CDM438).  
Optimal coating concentration should be determined by the user.

**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.**

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

