

PRF1

Mouse Anti-Human Perforin Clone B-E48 Azide Free mAb

Catalog No. CDM090 **Quantity:** 200 µg

Alternate Names: FLH2, HPLH2, P1, PFN1, PFP

Description: Mouse Anti-Human Perforin Clone B-E48 Azide Free mAb

Background: 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.

Concentration: 200 µg / 200 µl

Gene ID: 5551

Specificity: Recognizes human Perforin, a 70 kDa protein

Host: Mouse

Immunogen: Natural human Perforin

Isotype: IgG2bk

Clone: B-E48

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

Formulation: Phosphate-buffered saline. Sterile-filtered through 0.22 µm. Carrier and preservative free.

Purification: Ion exchange chromatography

Applications: ELISA, ELISPOT

Application Notes: This antibody can be used as a Capture Antibody in a human Perforin sandwich immunoassay to detect human Perforin in combination with biotinylated human Perforin Detection Antibody (Cat No CDM438).
ELISA / ELISPOT Capture Antibody:
ELISA: 0.5-2.5 µg/ml
ELISPOT: 5-10 µg/ml
The optimal concentration should be determined by the user for each specific application.

Storage & Stability: Stable at 2-8°C for 12 months. For longer storage, freeze aliquots. **Avoid repeated freeze-thaw cycles.**

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