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36-2999: Anti-Perforin (Pore Forming Protein) (Apoptosis Marker) Monoclonal Antibody(Clone: SPM434)

Clonality :	Monoclonal
Clone Name :	SPM434
Application :	ELISA
Reactivity :	Human
Gene :	PRF1
Gene ID :	5551
Uniprot ID :	P14222
Alternative Name :	Cytolysin; FLH2; HPLH2; Lymphocyte pore-forming protein; PRF1 (pore forming protein 1); Perforin-1; PFP; PGFL; PIGF; PIGF-2; PLGF
Isotype :	Mouse IgG, kappa
Immunogen Information :	Recombinant human Perforin protein fragment (around aa 413-552) (exact sequence is proprietary)

Description

Perforin is a pore-forming protein that leads to osmotic lysis of the target cells and subsequently enables granzymes to enter the target cells and activate apoptosis. Perforin 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. It is one of the main cytolytic proteins of cytolytic granules, and is known to be a key effector molecule for T-cell- and natural killer-cell-mediated cytolysis. Defects in this gene cause familial hemophagocytic lymphohistiocytosis type 2 (HPLH2), a rare and lethal autosomal recessive disorder of early childhood. The expression of perforin is reportedly upregulated in activated CD8+ T-cells, natural killer cells and some CD4+ T-cells.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

ELISA (For coating, order Ab without BSA);

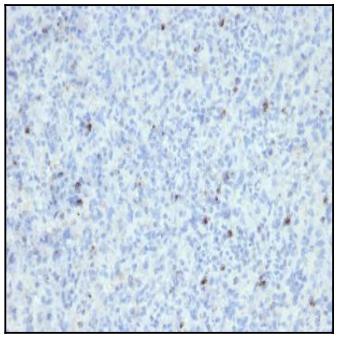

Fig. 1: Formalin-fixed, paraffin-embedded human Spleen stained with Perforin Mouse Monoclonal Antibody (SPM434).

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