Perforin Antibody / PRF1 [clone SPM434] (V9142)

Catalog No.	Formulation	Size
V9142-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9142-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9142SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG, kappa
Clone Name	SPM434
Purity	Protein A/G affinity
UniProt	P14222
Localization	Cytoplasmic
Applications	ELISA: 1-5ug/ml (order BSA-free format for coating)
Limitations	This Perforin antibody is available for research use only.



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.

Application Notes

Optimal dilution of the Perforin antibody should be determined by the researcher.

Immunogen

A portion of amino acids 413-552 was used as the immunogen for the Perforin antibody.

Storage

Aliquot the Perforin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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