Recombinant Perforin-1 (Pore Forming Protein) (Apoptosis Marker) Antibody

Mouse Monoclonal Antibody [Clone rPRF1/8058]

Catalog No	Format	Size
5551-MSM7-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
5551-MSM7-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
5551-MSM7-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

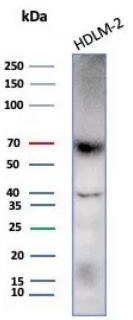
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

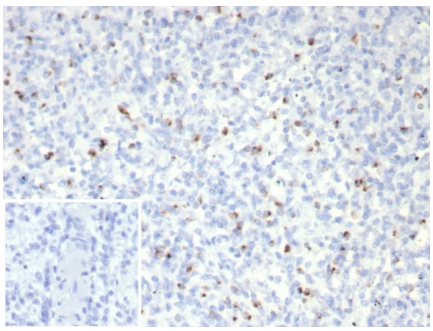
Clone	rPRF1/8058
Gene Name	PRF1
Immunogen	Recombinant human Perforin-1 protein fragment (around aa 355-555) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	75kDa
Cellular Localization	Cytoplasm.
Species Reactivity	Human
Positive Control	HDLM-2 cells. Human spleen.

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant Perforin-1 (Pore Forming Protein) (Apoptosis Marker) Antibody



Western blot analysis of HDLM-2 cell lysate using Perforin-1 Recombinant Mouse Monoclonal Antibody (rPRF1/8058).



Formalin-fixed, paraffin-embedded human spleen stained with Perforin-1 Recombinant Mouse Monoclonal Antibody (rPRF1/8058). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

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.

Supplied As

200ug/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 and Stability

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. No MSDS required.

Research Areas

Apoptosis, Autophagy

Limitations and Warranty