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

Rabbit Monoclonal Antibody [Clone PRF1/9681R]

Catalog No	Format	Size
5551-RBM10-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
5551-RBM10-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
5551-RBM10-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

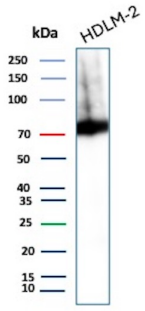
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

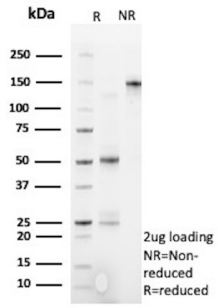
Clone	PRF1/9681R
Immunogen	Recombinant fragment (around aa413-552) of the human Perforin-1 protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	61.38kDa
Cellular Localization	Cell membrane, Cytolytic granule, Endosome lumen, Secreted
Species Reactivity	Human
Positive Control	HDLM-2 cells. Human spleen.

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

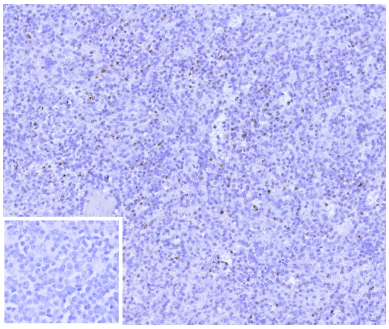
Product Images for Recombinant Perforin-1 (Pore Forming Protein) (Apoptosis Marker) Antibody



Western blot analysis of HDLM-2 cell lysate using Perforin-1 Recombinant Rabbit Monoclonal Antibody (PRF1/9681R).



SDS-PAGE Analysis of Purified Perforin-1 Recombinant Rabbit Monoclonal Antibody (PRF1/9681R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human spleen stained with Perforin-1 Recombinant Rabbit Monoclonal Antibody (PRF1/9681R). 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 produced in a mammalian-based expression system. 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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.