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

Rabbit Monoclonal Antibody [Clone PRF1/8662R]

| Catalog No | Format | Size |
|---|---|---|
| 5551-RBM9-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 5551-RBM9-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 5551-RBM9-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

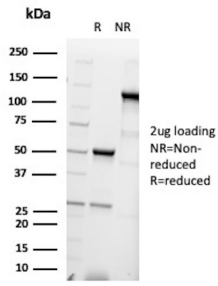
| Applications | Tested Dillution | Note |
|---|---|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |

## Product Details

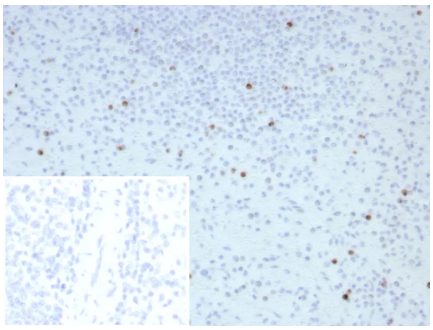
| | |
|---|---|
| **Clone** | PRF1/8662R |
| **Gene Name** | PRF1 |
| **Immunogen** | Recombinant human Perforin-1 protein fragment (around aa 413-552) (exact sequence is proprietary) |
| **Host** | Rabbit |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG / Kappa |
| **Mol. Weight of 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




SDS-PAGE Analysis of Purified Perforin-1 Recombinant Rabbit Monoclonal Antibody (PRF1/8662R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human spleen stained with Perforin-1 Recombinant Rabbit Monoclonal Antibody (PRF1/8662R). 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

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.