

## ARG62591 anti-Perforin antibody [deltaG9]

Package: 100 µl  
Store at: -20°C

### Summary

|                     |  |
|---------------------|--|
| Product Description | Mouse Monoclonal antibody [deltaG9] recognizes Perforin                            |
| Tested Reactivity   | Hu   |
| Tested Application  | FACS, ICC/IF, IHC, IHC-P, IP   |
| Host                | Mouse  |
| Clonality           | Monoclonal   |
| Clone               | deltaG9  |
| Isotype             | IgG2b  |
| Target Name         | Perforin   |
| Species             | Human  |
| Immunogen           | Purified granules from human YT lymphoma cells                                     |
| Conjugation         | Un-conjugated  |
| Alternate Names     | FLH2; P1; PFN1; Cytolysin; HPLH2; PFP; Lymphocyte pore-forming protein; Perforin-1 |

### Application Instructions

| Application table | Application  | Dilution        |
|-------------------|--|-----------------|
|                   | FACS   | 2 - 8 µg/ml     |
|                   | ICC/IF   | 2 - 8 µg/ml     |
|                   | IHC  | Assay-dependent |
|                   | IHC-P  | 2 - 8 µg/ml     |
|                   | IP   | 2 - 8 µg/ml     |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                 |

### Properties

|                     |   |
|---------------------|---|
| Form                | Liquid  |
| Purification        | Affinity purified   |
| Buffer              | 1X PBS buffer with < 0.1% sodium azide.   |
| Preservative        | < 0.1% sodium azide.  |
| Concentration       | 2 mg/ml   |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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|                |   |
|----------------|---|
| Database links | <a href="#">GeneID: 5551 Human</a><br><a href="#">Swiss-port # P14222 Human</a>   |
| Gene Symbol    | PRF1  |
| Gene Full Name | perforin 1 (pore forming protein)   |
| Background     | Perforin with structural similarities to complement component C9 that is important in immunity. This protein forms membrane pores that allow the release of granzymes and subsequent cytolysis of target cells. Whether pore formation occurs in the plasma membrane of target cells or in an endosomal membrane inside target cells is subject to debate. Mutations in this gene are associated with a variety of human disease including diabetes, multiple sclerosis, lymphomas, autoimmune lymphoproliferative syndrome (ALPS), aplastic anemia, and familial hemophagocytic lymphohistiocytosis type 2 (FHL2), a rare and lethal autosomal recessive disorder of early childhood. [provided by RefSeq, Aug 2017] |
| Function       | Perforin plays a key role in secretory granule-dependent cell death, and in defense against virus-infected or neoplastic cells. Plays an important role in killing other cells that are recognized as non-self by the immune system, e.g. in transplant rejection or some forms of autoimmune disease. Can insert into the membrane of target cells in its calcium-bound form, oligomerize and form large pores. Promotes cytolysis and apoptosis of target cells by facilitating the uptake of cytotoxic granzymes. [UniProt]  |
| Highlight      | Related products:<br><a href="#">Perforin antibodies:</a> <a href="#">Perforin ELISA Kits:</a> <a href="#">Anti-Mouse IgG secondary antibodies:</a><br>Related news:<br><a href="#">Examining CTL/NK-mediated cytotoxicity by ELISA</a>   |
| Research Area  | Immune System antibody  |
| Calculated Mw  | 61 kDa  |
| PTM            | N-glycosylated.   |