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Anti-Human Perforin Antibody, Clone deltaG9, Biotin

Mouse monoclonal antibody against human perforin, biotin-conjugated

Catalog #100-1458 | 100 µg | 0.9 mg/mL

Product Description

This mouse monoclonal antibody (clone deltaG9) reacts with human perforin. Perforin is an ~70 kDa protein consisting of four domains: the N- and C-termini, which are related to its function, and two central domains that share similarities to complement proteins C6 - C9. Perforin is involved in the perforin/granzyme apoptosis pathway and is produced by natural killer and cytotoxic T cells. Upon contact with a target cell, perforin monomers are released and aggregate to form pores in the membrane of the target cell, disrupting its membrane integrity. This allows granzyme B to enter the target cell and initiate apoptosis of virally infected and transformed cells. The deltaG9 antibody is suitable for the detection of intracellular perforin by flow cytometry.

Target Antigen:	Perforin
Alternative Names:	Cytolysin, lymphocyte pore forming protein, P1, perforin 1, PFP
Gene ID:	5551
Species Reactivity:	Human
Host Species:	Mouse
Clonality:	Monoclonal
Clone:	deltaG9
Isotype:	IgG2b, kappa
Immunogen:	Purified granules from human YT lymphoma cell line
Conjugate:	Biotin

Applications

Reported Applications: FC

Abbreviations: CellSep: Cell separation; ChIP: Chromatin immunoprecipitation; FA: Functional assay; FACS: Fluorescence-activated cell sorting; FC: Flow cytometry; ICC: Immunocytochemistry; IF: Immunofluorescence microscopy; IHC: Immunohistochemistry; IHC-P: Immunohistochemistry (paraffin-embedded); IP: Immunoprecipitation; RIA: Radioimmunoassay; WB: Western blotting

Properties

Purification:	The antibody was purified by affinity chromatography and conjugated with Biotin. The solution is free of unconjugated Biotin.
Stability and Storage:	Product stable at 2 - 8°C when stored undiluted. Do not freeze. Stable until expiry date (EXP) on label.
Directions for Use:	For flow cytometry, the suggested use of this antibody is 0.16 µg per 5 x 10^5 cells in 80 µL. It is recommended that the antibody be titrated for optimal performance for each application.

Related Products

For a complete list of antibodies, including other conjugates, sizes, and clones, as well as related products available from STEMCELL Technologies, visit www.stemcell.com/antibodies, or contact us at techsupport@stemcell.com.

References

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