ARG44030
anti-Perforin antibody [dG9] (APC)

Package: 100 tests
Store at: 4°C

Summary

Product Description	APC-conjugated Mouse Monoclonal antibody [dG9] human Perforin
Tested Reactivity	Hu
Tested Application	FACS
Host	Mouse
Clonality	Monoclonal
Clone	dG9
Isotype	IgG2b, kappa
Target Name	Perforin
Species	Human
Immunogen	Human YT lymphoma cell line
Conjugation	APC
Alternate Names	PRF1; Perforin 1; PFP; P1; HPLH2; Perforin 1 (Pore Forming Protein); Lymphocyte Pore-Forming Protein; Perforin-1; Cytolysin; Perforin 1 (Preforming Protein); Perforin

Application Instructions

Application table

Application	Dilution
FACS	1:10

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

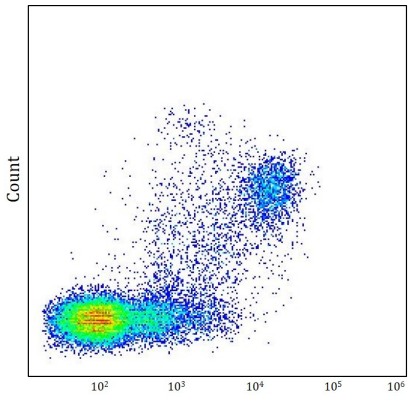
Form	Liquid
Purification	Purified
Buffer	PBS (pH 7.4) and 15 mM Sodium azide.
Preservative	15 mM Sodium azide
Storage instruction	Aliquot and store in the dark at 4°C. Keep protected from prolonged exposure to light. Do not freeze. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PRF1

Gene Full Name	Perforin 1
Background	This gene encodes a protein 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.
Function	Pore-forming protein that plays a key role in granzyme-mediated programmed cell death, and in defense against virus-infected or neoplastic cells.
PTM	Disulfide bond, Glycoprotein
Cellular Localization	Cell membrane, Endosome, Lysosome, Membrane, Secreted

Images



ARG44030 anti-Perforin antibody [dG9] (APC) FACS image

Flow Cytometry: Human whole blood stained with ARG44030 anti-Perforin antibody [dG9] (APC) at 10 µl / 100 µl whole blood dilution.