

PE/Cyanine7 anti-human Granulysin Antibody

Catalog# / Size	348011 / 25 tests 348012 / 100 tests
Clone	DH2
Regulatory Status	RUO
Other Names	GNLY, 519, LAG2, NKG5, LAG-2, D2S69E, TLA519
Isotype	Mouse IgG1, κ
Description	Granulysin is a member of the saposin-like protein family of lipid binding proteins (SAPLIP). It is expressed by NK cells and cytolytic T lymphocytes (CTL) as 9 kD and 15 kD forms. The 9 kD form is derived from the 15 kD form by cleavage at both amino- and carboxy-termini. Granulysin has broad cytolytic activities against a variety of tumor cells and microbes, including Gram-positive and -negative bacteria, fungi and parasites. It also functions as a chemoattractant for inflammatory cells and activates the cells expression of cytokines and chemokines.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Recombinant 9 kD granulysin
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with PE/Cyanine7 under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration, please enter the lot number in our Concentration and Expiration Lookup or Certificate of Analysis online tools.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	ICFC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
Application Notes	Clone DH2 recognizes both the 9 kD and 15 kD isoforms of Granulysin. ¹ ELISA Capture: To measure human granulysin, this antibody can be used as a capture antibody in sandwich ELISA format and paired with the biotinylated DH10 antibody (Cat. No. 526103) as the detection antibody. Recombinant Human Granulysin (ELISA Std.) (Cat. No. 552109) can be used as the protein standard. Flow Cytometry: The fluorochrome-labeled DH2 antibody is useful for intracellular and membrane-bound immunofluorescent staining and flow cytometric analysis to identify granulysin-producing cells within mixed cell populations. Note: For testing human granulysin in serum, plasma or cell culture supernatant, LEGEND MAX™ Human Granulysin ELISA Kit with Pre-coated Plates (Cat. No. 438007 & 438008) are specially developed and recommended.
Application References	1. Hanson DA, <i>et al.</i> 1999. <i>Mol. Immunol.</i> 36:413. 2. Spada FM, <i>et al.</i> 2000. <i>J. Exp. Med.</i> 191:937.
(PubMed link indicates	

BioLegend citation)

RRID AB_2876660 (BioLegend Cat. No. 348011)
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Antigen Details

Structure	Saposin-like protein family of lipid binding protein, 9 kD and 15 kD
Distribution	NK cells, cytolytic T cells
Function	Cytolytic against bacteria, fungi, parasite and tumor cells; chemoattract inflammatory cells
Cell Type	NK cells, T cells
Biology Area	Apoptosis/Tumor Suppressors/Cell Death, Cell Biology, Immunology, Innate Immunity
Molecular Family	Cytokines/Chemokines
Antigen References	1. Krensky AM. 2000. <i>Biochem. Pharmacol.</i> 59:317. 2. Deng A, et al. 2005. <i>J. Immunol.</i> 174:5243. 3. Kaspar AA, et al. 2001. <i>J. Immunol.</i> 167:350. 4. Krensky AM and Clayberger C. 2009. <i>Tissue Antigens</i> 73:193.
Gene ID	10578

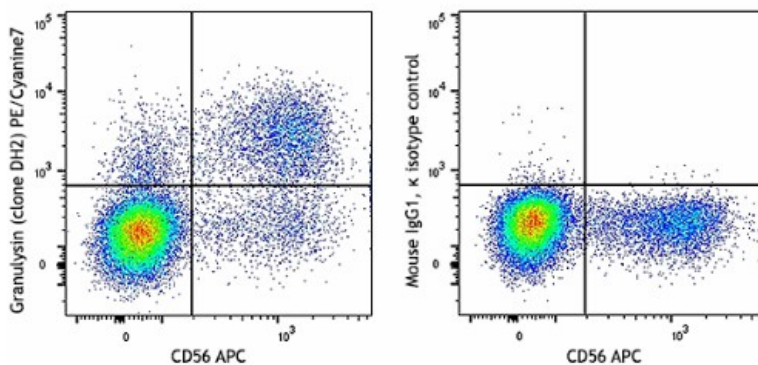
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

PE anti-human Granulysin, Alexa Fluor® 647 anti-human Granulysin, Purified anti-human Granulysin, APC anti-human Granulysin, PE/Cyanine7 anti-human Granulysin

Product Data



Human peripheral blood lymphocytes surface stained with CD56 APC then intracellularly stained with Granulysin (clone DH2) PE/Cyanine7 (left) or mouse IgG1, κ PE/Cyanine7 isotype control (right).

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