

Purified anti-human Granulysin Antibody

Catalog# / Size	348007 / 50 µg 348008 / 500 µg
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.
Preparation	The antibody was purified by affinity chromatography.
Concentration	0.5 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C.
Application	ELISA Capture - Quality tested IHC-F - Reported in the literature, not verified in house
Recommended Usage	Each lot of this antibody is quality control tested by ELISA assay . A concentration of 4 µg/ml of the capture antibody was utilized to generate the example standard curve. It is recommended that the end-user titrate each lot of reagents for optimal performance.
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)	
Product Citations	1. Peeters MJW, <i>et al.</i> 2021. <i>Front Immunol.</i> 12:718863. PubMed
RRID	AB_2563601 (BioLegend Cat. No. 348007)

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	<ol style="list-style-type: none"> 1. Krensky AM. 2000. <i>Biochem. Pharmacol.</i> 59:317. 2. Deng A, <i>et al.</i> 2005. <i>J. Immunol.</i> 174:5243. 3. Kaspar AA, <i>et al.</i> 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

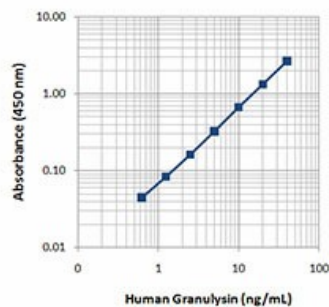
[Active Protocols: Sandwich ELISA - Video](#)

[Sandwich ELISA 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



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