

# Product Datasheet

## Granzyme B Antibody (CLB-GB11) - BSA Free NBP1-50071

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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**NBP1-50071**

Granzyme B Antibody (CLB-GB11) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	CLB-GB11
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	TBS (pH 8.0)
<b>Target Molecular Weight</b>	31 kDa

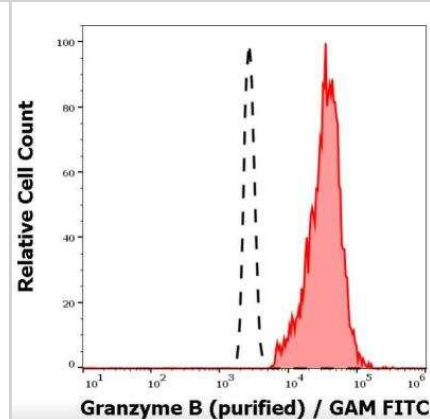
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	3002
<b>Gene Symbol</b>	GZMB
<b>Species</b>	Human, Primate
<b>Specificity/Sensitivity</b>	The mouse monoclonal antibody CLB-GB11 recognizes granzyme B, a 31 kDa serine protease expressed in activated Tc cells and NK cells.
<b>Immunogen</b>	Human NK cell line YT-INDY-derived granzyme B

<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry, Flow (Intracellular), CyTOF-ready
<b>Recommended Dilutions</b>	Flow Cytometry 1-4 ug/ml, Flow (Intracellular) 1-4 ug/ml, CyTOF-ready
<b>Application Notes</b>	This antibody is Cytof ready.

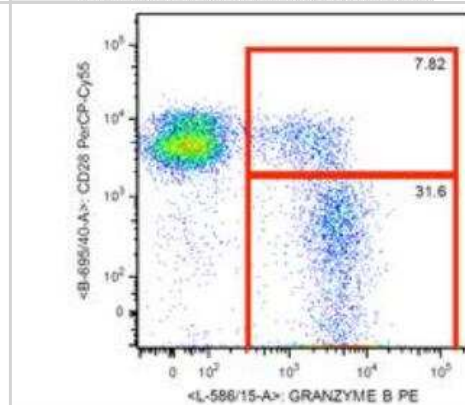


## Images

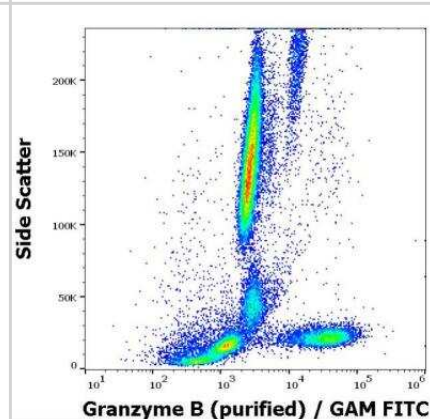
Flow Cytometry: Granzyme B Antibody (CLB-GB11) [NBP1-50071] - Separation of Granzyme B positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (intracellular staining) of human peripheral whole blood using anti-human Granzyme B (CLB-GB11) purified antibody (concentration in sample 3 ug/ml, GAM FITC).



Flow Cytometry: Granzyme B Antibody (CLB-GB11) [NBP1-50071] - Analysis of human CD8+ peripheral blood cells with anti-human granzyme B (CLB-GB11) PE.



Flow (Intracellular): Granzyme B Antibody (CLB-GB11) [NBP1-50071] - Flow cytometry intracellular staining pattern of human peripheral whole blood stained using anti-human Granzyme B (CLB-GB11) purified antibody (concentration in sample 3 ug/ml, GAM FITC).



## Publications

Vera Aguilera J, Paludo J, McWilliams RR et al. Chemo-immunotherapy combination after PD-1 inhibitor failure improves clinical outcomes in metastatic melanoma patients Melanoma Research 2020-08-01 [PMID: 32404734] (Flow Cytometry)

An Z, Hsu MA, Gicobi JK et al. A Novel PD-L1 Antibody Promotes Antitumor Function of Peripheral Cytotoxic Lymphocytes after Radical Nephrectomy in Patients with Renal Cell Carcinoma Journal of immunology (Baltimore, Md. : 1950) 2023-05-10 [PMID: 37163328]

Davidson T, Zhang H, Dong H Et al. Overcoming Immunotherapy Resistance With Radiation Therapy and Dual Immune Checkpoint Blockade Adv Radiat Oncol 2022-04-04 [PMID: 35372720] (FLOW, Human)

### Details:

Citation using the PerCP version of this antibody.

Lucien F, Kim Y, Qian J et al. Tumor-Derived Extracellular Vesicles Predict Clinical Outcomes in Oligometastatic Prostate Cancer and Suppress Antitumor Immunity International journal of radiation oncology, biology, physics 2022-06-04 [PMID: 35671867] (FLOW, Human)

Sondergaard J, Tulyeu J, Edahiro R, Shira Y Regulatory T-cells are central hubs for age-, sex-and severity-associated cellular networks during COVID-19 medRxiv 2022-01-01 (FLOW, Human)

Gabriel E, Masciarelli A, Chen J Et al. Mass Cytometry - Based Cytotoxicity Assay for Profiling Natural Killer Cells SSRN Electronic Journal 2021-10-02 (CyTOF-ready, Human)

Bengsch B, Ohtani T, Khan O et al. Epigenomic-Guided Mass Cytometry Profiling Reveals Disease-Specific Features of Exhausted CD8T Cells Immunity 2018-05-15 [PMID: 29768164] (FLOW, Human)

Yan Y, Cao S, Liu X et al. CX3CR1 identifies PD-1 therapy-responsive CD8+ T cells that withstand chemotherapy during cancer chemoimmunotherapy. JCI Insight. 2018-04-19 [PMID: 29669928] (FLOW, Human)





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### **Products Related to NBP1-50071**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-50071PCP	Granzyme B Antibody (CLB-GB11) [PerCP]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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