

Product Data Sheet

FITC anti-human/mouse Granzyme B

Catalog # / Size: 515403 / 25 tests

Clone: GB11

Isotype: Mouse IgG1, κ

Reactivity: Human, Mouse, **Cross-Reactivity:** Rat

Preparation: The antibody was purified by affinity chromatography, and conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**

Applications:

Applications: ICFC - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 μ l to 5 μ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

Application References:

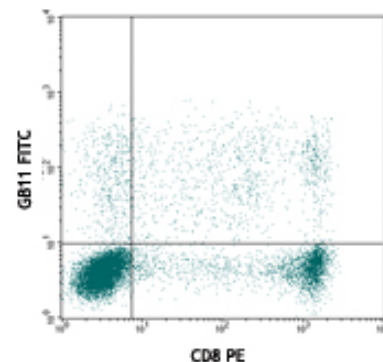
1. Wever PC, *et al.* 1998. *Immunology*. 93:383
2. Arens R, *et al.* 2004. *J. Exp. Med.* 199:1595
3. Lima M, *et al.* 2003. *Am. J. Pathol.* 163:763

Description: Granzyme B is a 32 kD serine protease, also known as granzyme-2, serine protease B, CCP1, Asp-ase, and CTLA-1. Granzyme B is abundantly stored in the granules of cytotoxic T lymphocytes and NK cells. Low level of expression has been reported in granulocytes, B cells, and activated dendritic cells. Granzyme B is crucial for rapid induction of cell death and apoptosis through interaction with mannose-6-phosphate receptor.

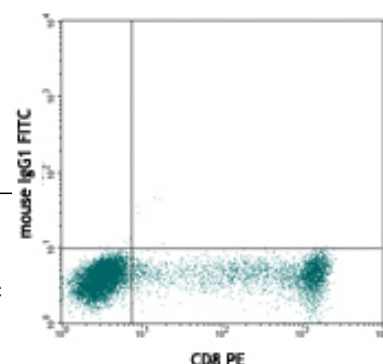
Antigen References:

1. Estebanez-Perpina E, *et al.* 2000. *Biol. Chem.* 381:1203
2. Griffiths GM. And S. Isaaz, *et al.* 1993. *J. Cell Biol.* 120:885
3. Spaeny-Dekking EH, *et al.* 1998. *J. Immunol.* 160:3610
4. Wagner C, *et al.* 2008. *Mol. Immunol.* 45:1761

Related Products:	Product	Clone	Application
	RBC Lysis Buffer (10X)		FC, ICFC
	Cell Staining Buffer		FC, ICC, ICFC
	FITC Mouse IgG1, κ Isotype Ctrl (ICFC)	MOPC-21	ICFC



Human peripheral blood lymphocytes surface stained with CD8 PE, then intracellular stained with GB11 FITC



Human peripheral blood lymphocytes surface stained with CD8 PE, then intracellular stained with mouse IgG1 FITC isotype control



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