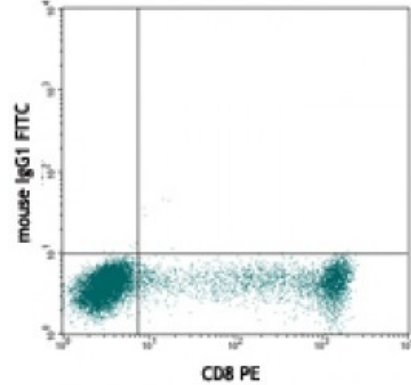


FITC anti-human/mouse Granzyme B

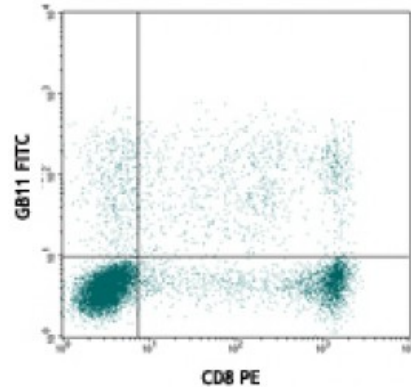
Catalog # / Size: 3177015 / 25 tests
Clone: GB11
Isotype: Mouse IgG1, κ
Reactivity: Human, Mouse
Preparation: The antibody was purified by affinity chromatography, and conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Concentration: Lot-specific



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

Applications:

Applications: Flow Cytometry
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 microL to 5 microL per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



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

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
4. Wiede F, *et al.* 2014. *J Autoimmun.* 53:105. [PubMed](#)
5. Baker GF, *et al.* 2014. *Cancer Res.* 74:5079. [PubMed](#)
6. Nacer A, *et al.* 2014. *PLoS Pathog.* 10:1004528. [PubMed](#)
7. Sharma SK, *et al.* 2015. *J Immunol.* 194:5529. [PubMed](#)

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. W