

Anti-Human Granzyme B (GB11)



PE



GZPE-100T



100 test



RUO

1. PRODUCT DESCRIPTION

- **Clone:** GB11;
- **Isotype:** IgG1, kappa;
- **Tested application:** flow cytometry;
- **Immunogen:** The anti-granzyme B monoclonal antibody derives from human NK cell line YT-INDY-derived granzyme B;
- **Species reactivity:** Human;
- **Storage instruction:** store in the dark at 2-8 °C;
- **Storage buffer:** aqueous buffered solution containing protein stabilizer and 0.09% sodium azide (NaN₃);
- **Recommended usage:** Immunostep's granzyme B, clone GB11, is a monoclonal antibody intended for the identification of apoptosis in the target cells by activation of caspases using flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 1 test for 10⁶ cells;
- **Presentation:** liquid;
- **Source:** Supernatant proceeding from an in vitro cell culture of a cell hybridoma;
- **Purification:** Affinity chromatography;
- **Other names:** CTLA-1, Granzyme-2, serine protease B, CCPI, GZMB, CTSG1;
- **Gene ID:** 3002;
- **Molecular weight:** 32 kDa.

2. ANTIGEN DETAILS

Large description: Granzyme B is able to induce target cell apoptosis by activating caspase independent pathways. Granzyme B is induced in CD8+ T lymphocytes with ConA/ IL-2 and CD4+ T lymphocytes with anti CD3/CD28 or CD3/CD46.⁽¹⁻³⁾

3. WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep disclaims hereby other warranties.

Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

4. ADDITIONAL INFORMATION

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Unless otherwise indicated by Immunostep by written authorization, this product is intended for research only and is not to be used for any other purpose, including without limitation, for human or animal diagnostic, therapeutic or commercial purposes.

Please, refer to www.immunostep.com technical support for more information.

5. REFERENCES

1. Mattila JT, Maiello P, Sun T, Via LE, Flynn JL. Granzyme B-expressing neutrophils correlate with bacterial load in granulomas from Mycobacterium tuberculosis-infected cynomolgus macaques. *Cell Microbiol* Aug;17(8):1085-97.
2. Griffiths GM, Isaaz S. Granzymes A and B are targeted to the lytic granules of lymphocytes by the mannose-6-phosphate receptor. *J Cell Biol*1993 Feb;120(4):885-96.
3. Spaeny-Dekking EH, Hanna WL, Wolbink AM, Wever PC, Kummer JA, Swaak AJ, et al. Extracellular granzymes A and B in humans: detection of native species during CTL responses in vitro and in vivo. *J Immunol*1998 Apr 01;160(7):3610-6

6. EXPLANATION OF SYMBOLS



Fluorochrome



Product reference



Content for <n> analysis



Regulatory Status



Research Use Only



Manufacturer

7. MANUFACTURED BY: IMMUNOSTEP S.L.



Address: Avda. Universidad de Coimbra, s/n
Cancer Research Center (C.I.C)
Campus de Unamuno
37007 Salamanca (Spain)
(+34) 923 294 827
Tel./fax:
E-mail: info@immunostep.com
www.immunostep.com