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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti- Human Granzyme B (GB11)

| Fluorochrome | Reference | Size |
|--------------|-----------|----------|
| PE | GZPE-100T | 100 test |

PRODUCT DESCRIPTION

Clone: GB11

Isotype: IgG1, κ

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.

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⁾

Other Names: CTLA-1, Granzyme-2, serine protease B, CCPI, GZMB, CTSGL1

Gene ID: 3002

Molecular weight: 32 kDa

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

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.

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.

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