

32-6794: GZMB Mouse

Application : Functional Assay

Alternative Name : Granzyme B, C11, CTLA-1, Cathepsin G-like 1, CTSL1, Cytotoxic T-lymphocyte proteinase 2, Lymphocyte protease, Fragmentin-2, Granzyme-2, Human lymphocyte protein, HLP, SECT, T-cell serine protease 1-3E, CGL1, CSPB, CTLA1, GRB, GZMB, CCPI, CGL-1, CSP-B.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

GZMB or Granzyme-B is a protein that mainly exist in granules of NK cells and T cells (cytotoxic), it is a serine protease. The protein is secreted by of NK cells and T cells together with the protein that creates pores (perforin) in order to lead to apoptosis in the target cell.

GZMB Mouse produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 235 amino acids (19-247 aa) and having a molecular mass of 26.3kDa. GZMB is fused to a 6 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : The GZMB solution (0.25mg/ml) contains 10% Glycerol and Phosphate-Buffered Saline (pH 7.4).

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : GEIIGGHEVK PHSRPMALL SIKDQQPEAI CGGFLIREDF VLTAHCEGS IINVTLGAHNIKEQEKQV
IPMVKCIHP DYNPKTFSND IMLLKLKSKA KRTRAVRPLN LPRNVNVKPGDVCYVAGWG RMAPMGKYSN
TLQVELTVQ KRECESYFK NRYNKTQIC AGDPKTKRASFRGDSGGPLV CKKVAAGIVS YGYKDGSPPR
AFTKVSSFLS WIKKTMKSSH HHHHH

Application Note

Defined as the amount of enzyme that cleave 1pmole of Boc-Ala-Ala-Asp-SBzl at 37°C. Specific activity is > 9,000 pmol/min/ug.