

## 32-6794: GZMB Mouse

**Application :** Functional Assay

**Alternative Name :** Granzyme B, C11, CTLA-1, Cathepsin G-like 1, CTSG1, 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 PHSRPYMA LL SIKDQQPEAI CGGFLIREDF VLTA AHCEGS  
IINVT LGAHNIKEQ EKTQQV IPMVK CIPHP DYNPKTFSND IMLLKLKSKA KRTRAVRPLN  
LPRRNVNVKPGDVCYVAGWG RMAPMGKYSN TLQEV ELTVQ KDRECE SYFK NRYNKTNQIC  
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.