

## PRODUCT INFORMATION SUMMARY

### Mouse Granzyme B

Purified Factor	Product Number	RC444230A	2 ug
Purified Factor	Product Number	HC444230B	10 ug

#### DESCRIPTION:

Mouse Granzyme B is a protease involved in cell-mediated lysis of target cells by NK and Cytotoxic T Lymphocytes. It is found in the cytoplasmic granules of these effector cells. Granzyme B can activate apoptosis in target cells by both caspase dependent and independent methods. Recombinant mouse Granzyme B is 227 aa. Protein containing the mature active portion precursor, with approximate 28.9.0 kDa molecular weight.

**SOURCE:** High-5 cells transfected via Baculovirus  
Purity > 98% by HPLC analysis  
Endotoxin < 0.1 ng per ug Granzyme B  
Sterile-filtered and lyophilized from PBS

**BIOLOGICAL ACTIVITY:** Measure by ability to cleave synthetic chromogenic Granzyme B substrate. Specific activity approximated using Ac-IEPD-pNA substrate at 25 Geg. C. Is greater than 750 nM/min per ug of enzyme.

#### HANDLING AND STORAGE:

Purified Mouse Granzyme B factor is provided lyophilized. Store lyophilized, at -20° C. **Microcentrifuge** before reconstitution (see below). Upon reconstitution in 50 uL of sterile or distilled water, further dilute in PBS or other buffered solutions. Store small aliquots, **with addition of 0.1% BSA**, at -20° C for long-term storage up to 3 months,, at high concentration.

**Before opening vial**, it is recommended to microcentrifuge vial for 30 seconds to spin-down any lyophilized material that may adhere to top of vial. The small amounts of protein may adhere to the vial as a very thin coat of lyophilized material, and may be difficult to see as a pellet.

#### WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

**RESEARCH USE ONLY -NOT for DRUG USE**