

## Datasheet for ABIN935398 GZMB Protein



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### Overview

Quantity:	10 µg
Target:	GZMB
Origin:	Mouse
Source:	Baculovirus
Protein Type:	Recombinant
Biological Activity:	Active

### Product Details

Sequence: IIGGHEVKPH SRPYMALLSI KDQQPEAICG GFLIREDFVL TAAHCEGSII NVTLGAHNIK  
EQEKTQQVIP MVKCIHPDY NPKTFSNDIM LLKLKSKAKR TRAVRPLNLP RRNVNVKPGD  
VCYVAGWGRM APMGKYSNTL QEVELTVQKD RECESYFKNR YNKTNQICAG DPKTKRASFR  
GDSGGPLVCK KVAAGIVSYG YKDGSPPRAF TKVSSFLSWI KKTMKSS

Characteristics: Purified recombinant Mouse Granzyme B protein  
Expression System: Baculovirus  
Bioactivity: Determined by its ability to cleave a synthetic chromogenic Granzyme B substrate.  
The expected specific activity, when using the Ac-IEPD-pNA substrate at 250C, is greater than  
750 nM/min per µg of enzyme.

Purity: > 98 % pure

Endotoxin Level: < 0.1 ng per µg (1 EU/µg).

### Target Details

Target: GZMB

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Alternative Name: Granzyme B ([GZMB Products](#))

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Background: Granzyme B is a cysteine protease found in the cytoplasmic granules of cytolytic T lymphocytes (CTL) and natural killer (NK) cells. Granzyme B is required for the induction of target cell lysis, which occurs as part of cell mediated immune responses, and can activate apoptosis in target cells by both caspase dependent and caspase independent mechanisms. Proteolytic cleavage of substrates by Granzyme B takes place primarily after aspartic acid residues. Recombinant Mouse.

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Molecular Weight: 28.9 kDa

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Pathways: [Apoptosis, Caspase Cascade in Apoptosis](#)

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## Application Details

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Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Buffer: Supplied as a lyophilized powder.

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Handling Advice: Avoid repeated freeze/thaw cycles.

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Storage: RT/-20 °C

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