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32-20591: Recombinant Murine Granzyme B(Discontinued)

Reactivity : Mouse
Alternative Name : Cytotoxic cell protease 1 (CCP1)

Description

Source:Baculovirus
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 Murine Granzyme B is a glycosylated 227 amino acid protein, comprising the mature active portion of the murine Granzyme B precursor. The apparent molecular weight is 28.9 kDa by mass spectrometry.

Product Info

Amount : 2 µg / 10 µg
Purification : Purity:>= 98% by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : IIGGHEVKPH SRPYMALLSI KDQQPEAICG GFLIREDFVL TAAHCEGSII NVTLGAHNIK EQEKTQQVIP MVKCIPHPDY NPKTFSNDIM LLKLKSKAKR TRAVRPLNLP RRNVNVKPGD VCYVAGWGRM APMGKYSNTL QEVELTVQKD RECESYFKNR YNKTNQICAG DPKTKRASFR GDSGGPLVCK KVAAGIVSYG YKDGSPPRAF TKVSSFLSWI KKTMKSS

Application Note

Determined by its ability to cleave a synthetic chromogentic Granzyme B substrate. The expected specific activity, when using the Ac-IEPD-pNA substrate at 25 ÃÂ°C, is greater than 750 nM/min per ÃÂµg of enzyme.ÃÂ