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32-7159: Recombinant Human Tumor Necrosis Factor beta/TNF beta

Gene : LTA
Gene ID : 4049
Uniprot ID : P01374

Description

Source: E.coli.
MW :18.8kD.
Recombinant Human Tumor Necrosis Factor beta is produced by our E.coli expression system and the target gene encoding Leu35-Leu205 is expressed. Tumor Necrosis Factor beta (TNF- beta) is a secreted protein belonging to the tumor necrosis factor family. TNF- beta binds to TNFRSF1A/TNFR1, TNFRSF1B/TNFBR and TNFRSF14/HVEM in homotrimeric form, binds to TNFRSF3/LTBR in heterotrimeric form with LTB. TNF- beta forms heterotrimers with lymphotoxin-beta, which anchors TNF-beta to the cell surface. TNF- beta mediates the inflammatory, immunostimulatory, and antiviral response, involves in the formation of second lymphoid organs during development, has a role in apoptosis. TNF- beta is produced by lymphocytes and cytotoxic for a variety of tumor cells in vitro and in vivo.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid :	MLPGVGLTPSAAQTARQHPKMHLAHSTLKPAAHLIGDPSKQNSLLWRANTDRAFLQDGFSLSNNSLLVPTSGI YFVYSQVVFSGKAYSPKATSSPLYLAHEVQLFSSQYPFHVPLLSSQKMVYPGLQEPWLHSMYHGAAFQLTQGD QLSTHTDGIPHLVLSPSTVFFGAFAL

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 ÃÂµg/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Endotoxin : Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.
Biological Activity : The ED50 for this effect is typically 23 pg/mL.