

## PRODUCT INFORMATION

**TNF beta (Tumor necrosis factor beta), Mouse**

<b>Catalog number</b>	C02043-5UG / C02043-20UG / C02043-100UG
<b>Package</b>	5 µg / 20 µg / 100 µg
<b>Description</b>	TNF-β works as a potential mediator in the inflammatory and immune process. It is a component of the TNF family of ligands, and signals through TNFR1 and TNFR2. TNF-β is secreted by activated T and B lymphocytes, and has similar function to TNF-α. In the same manner as TNF-α, TNF-β is involved in the regulation of various biological processes, including cell proliferation, differentiation, apoptosis, lipid metabolism, coagulation, and neurotransmission. TNF-β is generally released as a soluble polypeptide. In addition, lymphotoxin-β can anchor TNF-β to the cell surface and form heterotrimers in an effective manner. TNF-β is cytotoxic to a wide range of tumor cells.
<b>Source</b>	<i>Escherichia coli</i>
<b>Sequence</b>	LSGVRFSAARTAHPLPQKHLTHGILKPA AHLVGYPSKQNSLLWRASTDRAFLRH GFSLSNNSLLIPTSGLYFVYSQVVFSGESCS PRAIPTPIYLAHEVQLFSSQYFPFH VPLLSAQKSVYPGLQGPWVRSMYQGAVFLLSKGDQLSTHTDGISHLHFSPSSV FFGAFAL with polyhistidine tag at the N-terminus
<b>Endotoxin level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Activity</b>	Measure by its ability to induce cytotoxicity in L929 cells in the presence of actinomycin D. The ED <sub>50</sub> for this effect is <30 ng/mL.
<b>Purity</b>	>98% as determined by SDS-PAGE. Ni-NTA chromatography
<b>Formulation</b>	The protein was lyophilized from a solution containing 1X PBS, pH 8.0.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Storage</b>	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
<b>Note</b>	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant mouse TNF beta

For Research Use Only.