

RMCM039

Recombinant TNF beta (Tumor necrosis factor beta),
Mouse ,AF



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5ug;20ug;100ug;500ug;

Synonym/Alternative name(s):

TNFSF1B, Lymphotoxin-alpha (LT- α), LTalpha, Ltx, TNF-be, TNFSF1, Tnf, Tnfb, Tnfsf, Tnfsf1b, Tnlg1e, hlb38, hlb382, lymph

Activity:

Measure by its ability to induce cytotoxicity in L929 cells in the presence of vactinomycin D.
The ED50 for this effect is <30 ng/mL.

Protein Description:

TNF- β works as a potential mediator in the inflammatory and immune process. It 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.

Protein Accession : P09225.1

Gene ID : 16992

Expression Sequence:

LSGVRFSAAARTAHPLPQKHLTHGILKPA AHLVGYPSKQNSLLWRASDRAFLRHGFSLSNNSLLIPTSGLYFVYSQVVFSGESCSPRAIPTP
IYLAHEVQLFSSQYPFHVPLLSAQKSVYPGLQGPWVRSMYQGAVFLLSKGDQLSTHTDQISHLHFSPSSVFFGAFAL with
polyhistidine tag at the N-terminus.

Fusion tag : His-tag?at?the?N-terminus

Species : Mouse

Reactivity : Mouse

Expression Host : Escherichia coli

Source : E. coli

Purity/method:

>98% as determined by SDS-PAGE. Ni-NTA chromatography

Endotoxin level:

<0.1 EU per 1 μ g of the protein by the LAL method.

Calculated Molecular Weight : 19.36 kDa

Formulation:

The protein was lyophilized from a solution containing 1X PBS, pH 8.0.

Reconstitution:

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 μ g/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping : Blue Ice

Stability and Storage:

Lyophilized protein should be stored at -20°C for 1 year.

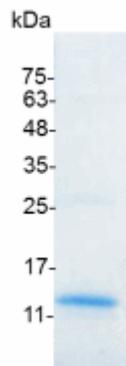
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category : Cytokines

Application : Cell culture, Elisa

Image:



SDS- PAGE analysis of recombinant mouse TNF
beta