



Manufactured By: U-CyTech Biosciences

Data sheet	Recombinant mouse tumor necrosis factor alpha (TNF-α)
Cat. No.:	ACT305
Production:	By E.coli cells transformed with the cDNA gene encoding mouse TNF- α .
Purification:	Anion-exchange and gel-exclusion chromatography.
Purity:	> 90% pure
Endotoxin:	< 0.1 EU/ μ g
Packaging:	Lyophilized and vacuum-packed.
Contents:	100 μ g/vial (10 ⁶ units/vial)
Buffer:	Prior to lyophilization: 0.5 ml PBS + 125 mM trehalose.
Specificity:	Cytokine is biologically active on mouse and rat cells to a similar degree.
Specific activity:	$\geq 10^7$ units/mg protein.
Unit:	Bioactivity is determined in a cytotoxicity bioassay using WEHI 164 cells assuming that one unit of mouse TNF- α corresponds with 50 pg of pure TNF- α protein.
Sterility:	Membrane filtered (0.2 μ m).
Reconstitution:	Dissolve the contents of the vial by injection of 0.5 ml sterile distilled water.
Stability:	Lyophilized product is stable for at least two years at 4 °C. After reconstitution, the contents can be best divided into small aliquots for single use and stored at -80 °C. After thawing, the cytokine is stable for at least one week at 4 °C.
Quantitation:	The concentration of protein was determined by the Bio-Rad protein assay using bovine serum albumin as a standard.