

## human TNF- $\alpha$

### Recombinant Protein

For research use only; not for therapeutic or *in vitro* diagnostic use

Cat. No.	Quantity
BMS301	10 $\mu$ g

<b>Source:</b>	rhTNF- $\alpha$ is produced in E. coli rhTNF- $\alpha$ is identical in structure with natural human TNF- $\alpha$ .
<b>Molecular Weight:</b>	52 kDa trimer composed of 17.3 kDa monomers
<b>Presentation:</b>	BMS301 is lyophilized in phosphate-buffered saline containing 10 mg/ml bovine serum albumin. Reconstitute with distilled water. Reconstitution in 500 $\mu$ l distilled water will result in a concentration of BSA of 1%, reconstitution in 1000 $\mu$ l will result in a concentration BSA of 0.5%. Reconstituted rhTNF- $\alpha$ should be used immediately or divided into appropriate aliquotes and promptly stored at -20°C.
<b>Purity:</b>	BMS301 is >98% pure prior to addition of bovine serum albumin as demonstrated by SDS-gel electrophoresis.
<b>Specific Activity:</b>	5 x 10 <sup>7</sup> units/mg To assign bioactivity the L-M cytotoxicity assay was performed in the presence of 1 $\mu$ g/ml Actinomycin D.
<b>Storage and Stability:</b>	BMS301 is shipped at 2-8°C. Expiry as stated on label.
<b>References:</b>	1) Old L.J. (1985). Tumor necrosis factor (TNF). Science 230, 630-632.

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