

## Datasheet: PMP24

**BATCH NUMBER 171725**

<b>Description:</b>	RECOMBINANT MOUSE TNF ALPHA
<b>Name:</b>	TNF ALPHA
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	20 µg

### Product Details

#### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			0.2 - 0.4ng/well
Western Blotting	▪			1.5 - 3.0ng/lane
Functional Assays	▪			0.05ng/ml - 20ng/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Mouse
<b>Product Form</b>	Purified protein produced in <i>E. coli</i> - lyophilized
<b>Reconstitution</b>	Reconstitute with 0.2 ml distilled water. For extended storage the addition of 0.1% BSA is recommended. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.
<b>Source</b>	E.coli
<b>Buffer Solution</b>	10mM Sodium Phosphate
<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes

<b>Endotoxin Level</b>	< 0.1 ng/ug
<b>Approx. Protein Concentrations</b>	0.1 mg/ml after reconstitution
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P06804</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">21926</a> Tnf    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	Tnfa, Tnfsf2
<b>Product Information</b>	Tumor necrosis factor alpha (TNFα) is a potent lymphoid factor which exerts cytotoxic effects on a wide range of tumor cells and certain other target cells.
<b>Protein Molecular Weight</b>	17.3 kDa (156 amino acid residues)
<b>Activity</b>	1 x 10 <sup>7</sup> units/mg
<b>Purity</b>	>98% by SDS PAGE and HPLC analysis
<b>ELISA</b>	Recombinant mouse TNFα may be used as the standard for ELISA applications with <a href="#">anti-Mouse TNFα (purified)</a> (AAM19GA).
<b>Western Blotting</b>	Recombinant mouse TNFα may be used as the positive control for western blotting applications with <a href="#">anti-Mouse TNFα (AAM19GA)</a> .
<b>References</b>	<ol style="list-style-type: none"> <li>Dunzendorfer, S. <i>et al.</i> (2004) Toll-like receptor 4 functions intracellularly in human coronary artery endothelial cells: roles of LBP and sCD14 in mediating LPS responses. <a href="#">FASEB J. 2004 Jul;18(10):1117-9.</a></li> <li>Rosowski, E.E. <i>et al.</i> (2011) Strain-specific activation of the NF-κB pathway by GRA15, a novel <i>Toxoplasma gondii</i> dense granule protein. <a href="#">J Exp Med. 208: 195-212.</a></li> </ol>
<b>Storage</b>	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10527 available at: <a href="https://www.bio-rad-antibodies.com/SDS/PMP24">https://www.bio-rad-antibodies.com/SDS/PMP24</a>
<b>Regulatory</b>	For research purposes only

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)  
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