

Datasheet: PMP24

BATCH NUMBER 147104

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| Description: | RECOMBINANT MOUSE TNF ALPHA |
| Name: | TNF ALPHA |
| Format: | Rec. Protein |
| Product Type: | Recombinant Protein |
| Quantity: | 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.

| | 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.

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| Target Species | Mouse |
| Product Form | Purified protein produced in <i>E. coli</i> - lyophilized |
| Reconstitution | 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. |
| Buffer Solution | 10mM Sodium Phosphate |
| Preservative Stabilisers | None present |
| Carrier Free | Yes |
| Endotoxin Level | < 0.1 ng/ug |

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| Approx. Protein Concentrations | 0.1 mg/ml after reconstitution |
| External Database Links | <p>UniProt: P06804 Related reagents</p> <p>Entrez Gene: 21926 Tnf Related reagents</p> |
| Synonyms | Tnfa, Tnfsf2 |
| Product Information | Tumor necrosis factor alpha (TNF α) is a potent lymphoid factor which exerts cytotoxic effects on a wide range of tumor cells and certain other target cells. |
| Protein Molecular Weight | 17.3 kDa (156 amino acid residues) |
| Activity | 1 x 10 ⁷ units/mg |
| Purity | >98% by SDS PAGE and HPLC analysis |
| ELISA | Recombinant mouse TNF α may be used as the standard for ELISA applications with anti-Mouse TNFα (purified) (AAM19GA). |
| Western Blotting | Recombinant mouse TNF α may be used as the positive control for western blotting applications with anti-Mouse TNFα (AAM19GA) . |
| References | <ol style="list-style-type: none"> 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. FASEB J. 2004 Jul;18(10):1117-9. 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. J Exp Med. 208: 195-212. |
| Storage | <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> |
| Guarantee | Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date. |
| Health And Safety Information | Material Safety Datasheet documentation #10527 available at: https://www.bio-rad-antibodies.com/SDS/PMP24 10527 |
| Regulatory | For research purposes only |

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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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