

Datasheet: PMP24

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 protein 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 protein for use in their own system using appropriate positive/negative controls.

Target Species	Mouse
Product Form	Purified protein produced in <i>E. coli</i> - lyophilised.
Reconstitution	Reconstitute with 0.2ml 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
Endotoxin Level	<0.1ng/ug
Approx. Protein Concentrations	0.1 mg/ml after reconstitution
External Database Links	UniProt: P06804 Related reagents Entrez Gene: 21926 Tnf Related reagents

Synonyms	Tnfa, Tnfsf2
Product Information	Tumour necrosis factor alpha (TNFα) is a potent lymphoid factor which exerts cytotoxic effects on a wide range of tumour cells and certain other target cells.
Protein Molecular Weight	17.3kD (156 amino acid residues)
Activity	1 x 10 ⁷ units/mg
Purity	>98% by SDS PAGE and HPLC analysis
ELISA	Recombinant mouse TNFα may be used as the standard for ELISA applications with anti-Mouse TNFα (purified) (AAM19GA).
Western Blotting	Recombinant mouse TNFα may be used as the positive control for western blotting applications with anti-Mouse TNFα (AAM19GA) .
References	1. 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. 2. 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	Store at -20°C only. Storage in frost-free freezers is not recommended. 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.
Shelf Life	3 months from date of reconstitution. Please see label for expiry date.
Health And Safety Information	Material Safety Datasheet documentation #10527 available at: 10527: https://www.bio-rad-antibodies.com/uploads/MSDS/10527.pdf
Regulatory	For research purposes only

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Printed on 11 Jul 2018