

Datasheet: PDP018

Description:	RECOMBINANT DOG TNF ALPHA
Name:	TNF ALPHA
Other names:	TNFSF2
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	5 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	▪			
Western Blotting	▪			

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.

Target Species	Dog
Product Form	Purified recombinant protein - lyophilized
Reconstitution	Reconstitute with 20 µl sterile PBS containing 0.1% carrier protein 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.
Preparation	Recombinant protein expressed in <i>Pichia pastoris</i> and purified by ion-exchange chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	10% Trehalose
External Database Links	UniProt: P51742 Related reagents

Entrez Gene:[403922](#) TNF [Related reagents](#)

Synonyms TNFA, TNFSF2

Product Information **Recombinant Dog tumor necrosis factor alpha** (TNF alpha), also known as tumor necrosis factor ligand superfamily member 2 (TNFSF2), is a recombinant protein corresponding to a 157 amino acid sequence of native canine TNF alpha. This recombinant protein is produced in yeast cells and is naturally folded and post translationally modified.

Canine TNF alpha is produced by a range of cells, including macrophages, monocytes, T and B lymphocytes and is an important mediator of the canine inflammatory response.

This product may be used as a standard in immunoassays.

Protein Molecular Weight 16.9 kDa

Purity >95% by SDS PAGE analysis

ELISA This reagent may be used as a standard in a sandwich ELISA assay in conjunction with [AHP2975](#) as a coating antibody and [AHP2975B](#) as a detection antibody.

References 1. Grob, D. *et al.* (2021) Canine *Angiostrongylus vasorum*-Induced Early Innate Immune Reactions Based on NETs Formation and Canine Vascular Endothelial Cell Activation *In Vitro.* [Biology \(Basel\). 10 \(5\)May 12 \[Epub ahead of print\].](#)

Storage Prior to reconstitution store at -20°C.
After reconstitution store at -20°C.
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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10591 available at:
10591: <https://www.bio-rad-antibodies.com/uploads/MSDS/10591.pdf>

Regulatory For research purposes only

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

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