

Datasheet: PDP001

Description:	RECOMBINANT DOG 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.abdserotec.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA			■	
Functional Assays	■			

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 negative/positive controls.

Target Species

Dog

Product Form

Purified Recombinant Protein - lyophilised

Reconstitution

Reconstitute with 0.5 ml distilled water

Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. AbD Serotec recommend that the vial is gently mixed after reconstitution.

Further dilutions should be made in a buffer containing a carrier protein.

Preparation

Recombinant protein expressed in *Pichia pastoris*

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

None present

Endotoxin Level

<1.1EU/ug

External Database Links

UniProt:

[P51742](#) [Related reagents](#)

Entrez Gene:

[403922](#) TNF [Related reagents](#)

Synonyms

TNFA, TNFSF2

Product Information

Canine Tumour Necrosis Factor alpha (TNF alpha) is produced by a range of cells, including macrophages and monocytes and is an important mediator of the canine inflammatory response.

PDP001 has an ED₅₀ of 10pg/ml, determined by measuring the cytolytic effect of recombinant canine TNF alpha on murine WEHI-13VAR-164 cells in the presence of Actinomycin D.

Protein Molecular Weight	17.3kD
Purity	>95% by SDS PAGE analysis
Storage	Prior to reconstitution store at +4°C. Following reconstitution store at -70°C. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	12 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet Documentation #10302 available at: http://www.abdserotec.com/uploads/MSDS/10302.pdf
Regulatory	For research purposes only

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