

Datasheet: PEP003

Description:	RECOMBINANT HORSE 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			▪	
Functional Assays	▪			

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	Horse
Product Form	Purified Recombinant Protein- lyophilized
Reconstitution	Reconstitute with 0.5 ml distilled water. Further dilutions should be made in a buffer containing 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. For long term storage, the addition of 0.09% sodium azide is recommended. N.B. For functional studies do not add azide.
Preparation	Recombinant protein expressed in <i>pichia pastoris</i>
Source	Pichia pastoris
Preservative Stabilisers	None present
Endotoxin Level	0.15 EU/ug

**External Database
Links**

UniProt:

[P29553](#) [Related reagents](#)

Entrez Gene:

[100033834](#) TNF [Related reagents](#)

Synonyms TNFA, TNFSF2

Product Information **Equine Tumour Necrosis Factor Alpha (TNF α)** is produced by a range of cells, including macrophages and monocytes and is an important mediator of the equine inflammatory response.

Equine Tumour Necrosis Factor Alpha has an ED₅₀ < 0.05ng/ml, determined by measuring the cytolytic effect of recombinant equine TNF α on murine WEHI-13VAR-164 cells in the presence of actinomycin D.

Protein Molecular Weight 17.1kDa

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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10268 available at:
<https://www.bio-rad-antibodies.com/SDS/PEP003>
10268

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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