

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.abdserotec.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA			■	
Functional Assays	■			

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species	Horse
Product Form	Purified Recombinant Protein- lyophilised
Reconstitution	Reconstitute with 0.5 ml distilled water
Note	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. Serotec recommend that the vial is gently mixed after reconstitution.
Preparation	Recombinant protein expressed in <i>pichia pastoris</i>
Preservative Stabilisers	None present
Endotoxin Level	0.15EU/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 alpha) is produced by a range of cells, including macrophages and monocytes and is an important mediator of the equine inflammatory response. PEP003 has an ED ₅₀ < 0.05ng/ml, determined by measuring the cytolytic effect of recombinant equine TNF alpha on murine WEHI-13VAR-164 cells in the presence of Actinomycin D.

Protein Molecular Weight	17.1kD
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 #10268 available at: http://www.abdserotec.com/uploads/MSDS/10268.pdf
Regulatory	For research purposes only

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'M229713:130108'

Printed on 21 Aug 2013

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