

Datasheet: PBP035

BATCH NUMBER 167047

Description:	RECOMBINANT BOVINE 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	▪			
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	Bovine
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
Source	<i>Pichia pastoris</i>
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	10% Trehalose

**External Database
Links**

UniProt:

[Q06599](#) [Related reagents](#)

Entrez Gene:

[280943](#) TNF [Related reagents](#)

Synonyms

TNFA, TNFSF2

Product Information

Recombinant Bovine tumor necrosis factor alpha (TNF alpha), also known as tumor necrosis factor ligand superfamily member 2 (TNFSF2), corresponds to the 77 - 234 aa sequence of native bovine TNF alpha. This recombinant protein is produced in yeast cells and is naturally folded and post translationally modified.

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

This product may be used as a standard in immunoassays.

**Protein Molecular
Weight**

17.4 kDa

Purity

>95% by SDS PAGE analysis

ELISA

This reagent may be used as a standard in a sandwich ELISA assay in conjunction with [AHP2383](#) as a coating antibody and [AHP2383B](#) as a detection antibody.

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.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10591 available at:
<https://www.bio-rad-antibodies.com/SDS/PBP035>
10591

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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