

# Datasheet: PSP005

**BATCH NUMBER 153967**

<b>Description:</b>	RECOMBINANT SHEEP TNF ALPHA
<b>Name:</b>	TNF ALPHA
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Sheep
<b>Product Form</b>	Purified recombinant protein - lyophilized
<b>Reconstitution</b>	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.
<b>Preparation</b>	Recombinant protein expressed in <i>Pichia pastoris</i> and purified by ion-exchange chromatography
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	10% Trehalose
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P23383</a> <a href="#">Related reagents</a>

**Entrez Gene:**[443540](#)   TNF   [Related reagents](#)

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**Synonyms**      TNFA, TNFSF2

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**Product Information**    **Recombinant Sheep Tumor Necrosis Factor (TNF) alpha** is a recombinant protein corresponding to aa 78-234 of native sheep TNF alpha.

TNF alpha is produced by activated macrophages, monocytes, endothelial cells, fibroblast and both T and B lymphocytes. Production of ovine TNF alpha can be induced by a variety of factors, dependant upon cell type, and includes bacterial toxins, IL-1, PDGF, IFN beta, NGF, oncostatin M and viral infections. TNF alpha functions in the regulation of immune cells, is able to induce fever, apoptotic cell death, sepsis, cachexia, inflammation and to inhibit tumorigenesis and viral replication.

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**Protein Molecular Weight**      17.2 kDa

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**Purity**      >95% by SDS PAGE analysis

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**ELISA**      This reagent may be used as a standard in a sandwich ELISA assay in conjunction with [AHP2815](#) as a coating antibody and [AHP2815B](#) as a detection antibody.

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**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.

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**Guarantee**      12 months from date of despatch

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**Health And Safety Information**    Material Safety Datasheet documentation #10591 available at:  
<https://www.bio-rad-antibodies.com/SDS/PSP00510591>

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**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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