

## Datasheet: AHP1212

<b>Description:</b>	GOAT ANTI HUMAN TNF ALPHA
<b>Specificity:</b>	TNF ALPHA
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			2.5 - 5.0ug/ml
ELISA	▪			0.25 - 1.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			0.012 - 0.014ug/ml

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.

**(1)This product heat-mediated antigen retrieval prior to staining paraffin sections. Citrate buffer, pH6.0, is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - lyophilized
<b>Reconstitution</b>	Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended. NB: For functional studies do not add azide.
<b>Antiserum Preparation</b>	Antisera to human TNF $\alpha$ were raised by repeated immunisations of goats with highly purified antigen. Purified IgG prepared by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline

<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml after reconstitution
<b>Immunogen</b>	<a href="#">Recombinant human TNF<math>\alpha</math></a>
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P01375</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">7124</a>    TNF    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	TNFA, TNFSF2
<b>RRID</b>	AB_872048
<b>Specificity</b>	<p><b>Goat anti Human TNF alpha antibody</b> recognizes human Tumour Necrosis Factor alpha (TNF-<math>\alpha</math>), a 17.4kDa multi-functional pro-inflammatory cytokine primarily secreted by macrophages, but also produced by T and B lymphocytes, activated monocytes and fibroblasts.</p> <p>TNF-<math>\alpha</math> exists in both a transmembrane and mature soluble form and has many biological properties, including activation of transcription factor NF-<math>\kappa</math>B, the induction of apoptosis in various tumour cell lines and the stimulation of cell differentiation and proliferation under certain conditions. TNF-<math>\alpha</math> also plays a role in inflammation, septic shock, autoimmune disease and rheumatoid arthritis.</p>
<b>ELISA</b>	This purified human TNF $\alpha$ antibody may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA with our <a href="#">biotinylated TNF<math>\alpha</math> antibody</a> (AHP1212B) as the detection reagent and <a href="#">recombinant human TNF<math>\alpha</math></a> (PHP051) as the standard
<b>Histology Positive Control Tissue</b>	Human Breast Carcinoma
<b>References</b>	1. van Horssen, R. <i>et al.</i> (2006) TNF- $\alpha$ in cancer treatment: Molecular insights, antitumor effects, and clinical utility. <a href="#">Oncologist. 11: 397-408.</a>
<b>Storage</b>	<p>Prior to reconstitution store at -20°C.  After reconstitution store at -20°C.</p> <p>This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>

**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10294 available at:  
<https://www.bio-rad-antibodies.com/SDS/AHP1212>  
10294

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

**North & South** Tel: +1 800 265 7376

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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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