

# Datasheet: AHP1212B

**BATCH NUMBER 167791**

<b>Description:</b>	GOAT ANTI HUMAN TNF ALPHA:Biotin
<b>Specificity:</b>	TNF ALPHA
<b>Format:</b>	Biotin
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			0.25 - 1.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG conjugated to Biotin - lyophilized
<b>Reconstitution</b>	Reconstitute with 0.5ml sterile PBS containing 0.1% Bovine Serum Albumin. 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.
<b>Antiserum Preparation</b>	Antisera to human TNFα 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 0.1mg/ml after reconstitution
<b>Immunogen</b>	<a href="#">Recombinant human TNFα</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_872047
<b>Specificity</b>	<p><b>Goat anti Human TNF alpha antibody</b> recognizes human Tumour Necrosis Factor alpha (TNF-α), 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-α exists in both a transmembrane and mature soluble form and has many biological properties, including activation of transcription factor NF-κappaB, the induction of apoptosis in various tumour cell lines and the stimulation of cell differentiation and proliferation under certain conditions. TNF-α also plays a role in inflammation, septic shock, autoimmune disease and rheumatoid arthritis.</p>
<b>ELISA</b>	This biotinylated human TNFα antibody may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with our <a href="#">purified human TNFα antibody</a> (AHP1212) as the capture reagent and <a href="#">recombinant human TNFα</a> (PHP051) as the standard.
<b>References</b>	1. van Horssen, R. <i>et al.</i> (2006) TNF-α 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>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety</b>	Material Safety Datasheet documentation #10294 available at:

**Information**      <https://www.bio-rad-antibodies.com/SDS/AHP1212B>  
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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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