

Datasheet: AHP1212B

Description:	GOAT ANTI HUMAN TNF ALPHA:Biotin
Specificity:	TNF ALPHA
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species	Human
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Product Form	Purified IgG conjugated to Biotin - lyophilized
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Reconstitution	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.
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Antiserum Preparation	Antisera to human TNF α were raised by repeated immunisations of goats with highly purified antigen. Purified IgG prepared by affinity chromatography.
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Buffer Solution	Phosphate buffered saline
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Preservative	None present
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Stabilisers

Carrier Free Yes

Approx. Protein Concentrations IgG concentration 0.1mg/ml after reconstitution

Immunogen [Recombinant human TNF \$\alpha\$](#)

External Database Links

UniProt:
[P01375](#) [Related reagents](#)

Entrez Gene:
[7124](#) TNF [Related reagents](#)

Synonyms TNFA, TNFSF2

RRID AB_872047

Specificity **Goat anti Human TNF alpha antibody** 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.

TNF- α exists in both a transmembrane and mature soluble form and has many biological properties, including activation of transcription factor NF- κ B, 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.

ELISA This biotinylated human TNF α antibody may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with our [purified human TNF \$\alpha\$ antibody](#) (AHP1212) as the capture reagent and [recombinant human TNF \$\alpha\$](#) (PHP051) as the standard.

References 1. van Horssen, R.*et al.* (2006) TNF- α in cancer treatment: Molecular insights, antitumor effects, and clinical utility. [Oncologist. 11: 397-408.](#)

Storage Prior to reconstitution store at -20°C.
After reconstitution store at -20°C.

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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10294 available at: <https://www.bio-rad-antibodies.com/SDS/AHP1212B>

10294

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

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