Datasheet: AHP1212B

BATCH NUMBER 164894

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

Product Form

Purified IgG conjugated to Biotin - lyophilized

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.

Antiserum Preparation

Antisera to human TNFα were raised by repeated immunisations of goats with highly purified antigen. Purified IgG prepared by affinity chromatography.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers	None present
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 0.1mg/ml after reconstitution
Immunogen	Recombinant human TNFα
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–alpha), 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-alpha exists in both a transmembrane and mature soluble form and has many biological properties, including activation of transcription factor NF-kappaB, the induction of apoptosis in various tumour cell lines and the stimulation of cell differentiation and proliferation under certain conditions. TNF-alpha also plays a role in inflammation, septic shock, autoimmune disease and rheumatoid arthritis.
ELISA	This biotinylated human TNFα antibody may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with our purified human TNFα antibody (AHP1212) as the capture reagent and recombinant human TNFα (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	Material Safety Datasheet documentation #10294 available at:

Information	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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