

Datasheet: AHP1212

BATCH NUMBER 154740

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

| | 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.

Target Species

Human

Product Form

Purified IgG - lyophilised

Reconstitution

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.

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 |
| Preservative Stabilisers | None present |
| Carrier Free | Yes |
| Approx. Protein Concentrations | IgG concentration 1.0mg/ml after reconstitution |
| Immunogen | Recombinant human TNFα |
| External Database Links | <p>UniProt: P01375 Related reagents</p> <p>Entrez Gene: 7124 TNF Related reagents</p> |
| Synonyms | TNFA, TNFSF2 |
| RRID | AB_872048 |
| Specificity | <p>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.</p> <p>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.</p> |
| ELISA | This purified human TNF α antibody may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA with our biotinylated TNFα antibody (AHP1212B) as the detection reagent and recombinant human TNFα (PHP051) as the standard |
| Histology Positive Control Tissue | Human Breast Carcinoma |
| References | 1. van Horssen, R. <i>et al.</i> (2006) TNF- α in cancer treatment: Molecular insights, antitumor effects, and clinical utility. Oncologist. 11: 397-408. |
| Storage | <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.</p> |

Should this product contain a precipitate we recommend microcentrifugation before use.

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| Guarantee | 6 months from date of despatch |
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| Health And Safety Information | Material Safety Datasheet documentation #10162 available at: https://www.bio-rad-antibodies.com/SDS/AHP1212 10162 |
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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 \(BUF025A\)](#)

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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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