Datasheet: AHP1212B

Description: GOAT ANTI HUMAN TNF ALPHA:Biotin
Specificity: TNF ALPHA
Format: Biotin
Product Type: Polyclonal Antibody
Isotype: Polyclonal IgG
Quantity: 50 µg

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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<tr>
<td>ELISA</td>
<td>⬜</td>
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<td>0.25 - 1.0µg/ml</td>
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<td>Immunoprecipitation</td>
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<tr>
<td>Western Blotting</td>
<td>⬜</td>
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<td>0.1 - 0.2µg/ml</td>
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</table>

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 - lyophilised

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

Approx. Protein Concentrations: IgG concentration 0.1mg/ml after reconstitution
Immunogen: Recombinant human TNFα

External Database Links
- UniProt: P01375
- Entrez Gene: 7124

Synonyms: TNFA, TNFSF2

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.


Storage: Prior to reconstitution store at -20°C. After reconstitution store at -20°C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee: 6 months from date of reconstitution


Regulatory: For research purposes only

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