

## Datasheet: AHP2815B

|                      |                                    |
|----------------------|------------------------------------|
| <b>Description:</b>  | RABBIT ANTI SHEEP 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     |
|-------|-----|----|----------------|------------------------|
| ELISA | ▪   |    |                | 0.05 ug/ml - 0.5 ug/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>                 | Sheep  |
| <b>Species Cross Reactivity</b>       | <p>Reacts with: Goat</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p> |
| <b>Product Form</b>                   | Purified IgG conjugated to Biotin - liquid   |
| <b>Antiserum Preparation</b>          | Antiserum to sheep TNF alpha was raised by repeated immunization of rabbit with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.  |
| <b>Buffer Solution</b>                | Phosphate buffered saline  |
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide (NaN <sub>3</sub> )   |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0 mg/ml  |

**Immunogen** Recombinant ovine TNF ALPHA

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**External Database**

**Links**

**UniProt:**

[P23383](#) [Related reagents](#)

**Entrez Gene:**

[443540](#) TNF [Related reagents](#)

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**Synonyms**

TNFA, TNFSF2

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**Specificity**

**Rabbit anti Sheep TNF alpha** recognizes sheep tumor necrosis factor (TNF) alpha, a 25.5 kDa regulatory cytokine.

TNF alpha is produced by activated macrophages, monocytes, endothelial cells, fibroblast and both T and B lymphocytes. Production of ovine TNF alpha can be induced by a variety of factors, dependant upon cell type, and includes bacterial toxins, IL-1, PDGF, IFN beta, NGF, oncostatin M and viral infections. TNF alpha functions in the regulation of immune cells, is able to induce fever, apoptotic cell death, sepsis, cachexia, inflammation and to inhibit tumorigenesis and viral replication.

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**ELISA**

This product may be used as a detection reagent in a sandwich ELISA together with [AHP2815](#) as the capture reagent. [PSP005](#) may be used as a standard.

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**Storage**

Store at +4°C. DO NOT FREEZE.

This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory**

For research purposes only

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