

Datasheet: AHP424

BATCH NUMBER 151200

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| Description: | RABBIT ANTI SHEEP INTERLEUKIN-6 |
| Specificity: | IL-6 |
| Format: | Serum |
| Product Type: | Polyclonal Antibody |
| Isotype: | Polyclonal IgG |
| Quantity: | 0.1 ml |

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 | ▪ | | | 1/500 |
| Immunoprecipitation | | | ▪ | |
| Western Blotting | ▪ | | | |

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species

Sheep

Species Cross Reactivity

Reacts with: Bovine

N.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.

Product Form

Serum - liquid (diluted)

Antiserum Preparation

Antisera to ovine IL-6 were raised by repeated immunisation of rabbits with highly purified antigen.

Buffer Solution

Phosphate buffered saline

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| Preservative Stabilisers | 0.09% Sodium Azide (NaN ₃) |
| Immunogen | Recombinant IL-6. |
| External Database Links | <p>UniProt: P29455 Related reagents</p> <p>Entrez Gene: 443406 IL6 Related reagents</p> |
| RRID | AB_322150 |
| Specificity | Rabbit anti Ovine interleukin-6 antibody recognizes ovine interleukin-6 (IL-6). No cross-reactivity is seen with ovine IL-1 beta, IL-8, MCP or TNF alpha. |
| ELISA | The antibody may be used in a sandwich ELISA as a detection reagent for ovine IL-6, in combination with MCA1659 as a capture antibody. |
| References | <ol style="list-style-type: none"> Stephens, S. <i>et al.</i> (2003) Differences in cytokine synthesis by the subpopulations of dendritic cells from afferent lymph. Immunology. 120: 48-57. Herath, S. <i>et al.</i> (2009) Expression of genes associated with immunity in the endometrium of cattle with disparate postpartum uterine disease and fertility. Reprod Biol Endocrinol. 7: 55. Wang, Z. <i>et al.</i> (2008) Acute hypercapnia improves indices of tissue oxygenation more than dobutamine in septic shock. Am J Respir Crit Care Med. 177: 178-83. Su, F. <i>et al.</i> (2007) Beneficial effects of ethyl pyruvate in septic shock from peritonitis. Arch Surg.142: 166-71. Karisnan, K. <i>et al.</i> (2015) Interleukin-1 Receptor Antagonist Protects against Lipopolysaccharide Induced Diaphragm Weakness in Preterm Lambs. PLoS One. 10 (4): e0124390. Xu, A. <i>et al.</i> (2015) The Ovine Fetal and Placental Inflammatory Response to Umbilical Cord Occlusions With Worsening Acidosis. Reprod Sci. 22 (11): 1409-20. Dooley, L.M. <i>et al.</i> (2015) Effect of mesenchymal precursor cells on the systemic inflammatory response and endothelial dysfunction in an ovine model of collagen-induced arthritis. PLoS One. 10 (5): e0124144. Herry, C.L. <i>et al.</i> (2016) Temporal Patterns in Sheep Fetal Heart Rate Variability Correlate to Systemic Cytokine Inflammatory Response: A Methodological Exploration of Monitoring Potential Using Complex Signals Bioinformatics. PLoS One. 11 (4): e0153515. |
| Storage | <p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>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.</p> |

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| Guarantee | 12 months from date of despatch |
| Health And Safety Information | Material Safety Datasheet documentation #10483 available at: https://www.bio-rad-antibodies.com/SDS/AHP424 10483 |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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|----------------------------------|---|------------------|---|---------------|---|
| North & South America | Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com | Worldwide | Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com | Europe | Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com |
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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
'M364214:200529'

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