

Datasheet: AHP424

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

Preservative Stabilisers	<0.1% 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. Karisanan, 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. Westover, A. <i>et al.</i> (2017) Effect of Human Amnion Epithelial Cells on the Acute Inflammatory Response in Fetal Sheep. Front Physiol. 8: 871. Castel, A. <i>et al.</i> (2021) Recording and manipulation of vagus nerve electrical activity in chronically instrumented unanesthetized near term fetal sheep. J Neurosci Methods. 360: 109257. Cao, M. (2022) The vagus nerve regulates immunometabolic homeostasis in the ovine fetus near term: impact on terminal ileum arXiv:2203.14967 Damiano, S. <i>et al.</i> (2022) Red orange and lemon extract preserve from oxidative

stress, DNA damage and inflammatory status in lambs [It J Anim Sci. 21 \(1\): 934-42.](#)

Storage This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10483 available at: 10483: <https://www.bio-rad-antibodies.com/uploads/MSDS/10483.pdf>

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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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)

'M389230:210806'

Printed on 30 May 2022

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