Datasheet: AHP423

BATCH NUMBER 170914

Description:	RABBIT ANTI SHEEP INTERLEUKIN-1 BETA
Specificity:	IL-1 BETA
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
Based on sequence similarity, is expected to react with:Goat
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

Antiserum Preparation

Antisera to ovine IL-1 beta were raised by repeated immunisation of rabbits with highly purified antigen.

Preservative Stabilisers	0.09% Sodium Azide (NaN_3)
Immunogen	Recombinant IL-1 beta.
External Database Links	**UniProt:** P21621 Related reagents **Entrez Gene:** 443539 IL-1B Related reagents
RRID	AB_322127
Specificity	**Rabbit anti Sheep interleukin 1β antibody** recognizes ovine interleukin-1 beta (IL-1 beta). No cross-reactivity is seen with ovine IL-6, IL-8, MCP-1 or TNF alpha. Rabbit anti Sheep interleukin 1β antibody neutralizes the bioactivity of ovine IL-1 beta. Removal of sodium azide is recommended prior to use in functional assays.

References

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7. Xu, A. *et al.* (2015) The Ovine Fetal and Placental Inflammatory Response to Umbilical Cord Occlusions With Worsening Acidosis. Reprod Sci. 22 (11): 1409-20.
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9. Atik, A. *et al.* (2012) Long-term pulmonary effects of intrauterine exposure to endotoxin following preterm birth in sheep. Reprod Sci. 19 (12): 1352-64.
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11. Doull, L. *et al.* (2015) Late production of CXCL8 in ruminant oro-nasal turbinate cells in

response to *Chlamydia* abortus infection. Vet Immunol Immunopathol. 168 (1-2): 97-102.
12. Cao, M. *et al.* (2019) α7 Nicotinic Acetylcholine Receptor Signaling Modulates Ovine Fetal Brain Astrocytes Transcriptome in Response to Endotoxin. Front Immunol. 10: 1063.

Storage	Store at +4ºC or at -20ºC if preferred. 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. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10081 available at: https://www.bio-rad-antibodies.com/SDS/AHP423 10081
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Useful Reagents

TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

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'M364212:200529'

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