

Datasheet: AHP425

Description:	RABBIT ANTI SHEEP INTERLEUKIN-8
Specificity:	IL-8
Other names:	CXCL8
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

Based on sequence similarity, is expected to react with: Bovine, 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-8 were raised by repeated immunisation of rabbits with highly purified antigen.

Preservative

<0.1% Sodium Azide (NaN₃)

Stabilisers

Immunogen Recombinant ovine IL-8.

External Database Links

UniProt:

[P36925](#) [Related reagents](#)

Entrez Gene:

[443418](#) IL8 [Related reagents](#)

Synonyms CXCL8

RRID AB_322153

Specificity

Rabbit anti Sheep Interleukin-8 antibody recognises ovine interleukin-8, also known as IL-8, C-X-C motif chemokine 8 or Chemokine (C-X-C motif) ligand 8. Interleukin-8 is a 79 amino acid ~11kDa secreted cytokine chemotactic for neutrophils, basophils and T-cells but not monocytes.

No cross-reactivity is seen with ovine IL-1 beta, IL-6, MCP or TNF alpha.

ELISA

The antibody may be used in a sandwich ELISA as a detection reagent for ovine IL-8, in combination with [MCA1660](#) as capture antibody.

N.B. It is recommended that AHP425 and any detection antibody are diluted in 10% normal mouse serum prior to use in ELISA.

References

1. Herndon, C.N. *et al.* (2010) Differential expression of interleukin-8 by polymorphonuclear leukocytes of two closely related species, *Ovis canadensis* and *Ovis aries*, in response to *Mannheimia haemolytica* infection. [Infect Immun. 78: 3578-84.](#)
2. Caswell, J.L. *et al.* (1998) Expression of the neutrophil chemoattractant interleukin-8 in the lesions of bovine pneumonic pasteurellosis. [Vet Pathol. 35 \(2\): 124-31.](#)
3. Bonnefont, C.M. *et al.* (2012) Genetic susceptibility to *S. aureus* mastitis in sheep: differential expression of mammary epithelial cells in response to live bacteria or supernatant. [Physiol Genomics. 44 \(7\): 403-16.](#)
4. Shashikant, B.N. *et al.* (2005) Dose response to rhCC10-augmented surfactant therapy in a lamb model of infant respiratory distress syndrome: physiological, inflammatory, and kinetic profiles. [J Appl Physiol. 99: 2204-11.](#)
5. 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.](#)
6. Stinson LF *et al.* (2014) Effects of cytokine-suppressive anti-inflammatory drugs on inflammatory activation in *ex vivo* human and ovine fetal membranes. [Reproduction. 147 \(3\): 313-20.](#)
7. Cronin, J.G. *et al.* (2015) Enzyme linked immunosorbent assay for quantification of bovine interleukin-8 to study infection and immunity in the female genital tract. [Am J Reprod Immunol. 73 \(4\): 372-82.](#)
8. Tahoun, A. *et al.* (2015) Functional analysis of bovine TLR5 and association with IgA

responses of cattle following systemic immunisation with H7 flagella. [Vet Res. 46: 9.](#)

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 #20362 available at: 20362: <https://www.bio-rad-antibodies.com/uploads/MSDS/20362.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

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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)

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