

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.
Product Form	Serum - liquid

Antiserum Preparation Antisera to ovine IL-8 were raised by repeated immunisation of rabbits with highly purified antigen.

Preservative Stabilisers	0.09% Sodium Azide
Immunogen	Recombinant ovine IL-8.

External Database Links

UniProt:

[P36925](http://www.uniprot.org/entry/P36925) [Related reagents](#)

Entrez Gene:

[443418](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=Gene&list_uids=443418) IL8 [Related reagents](#)

Synonyms	CXCL8
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. <i>et al.</i> (2010) Differential expression of interleukin-8 by polymorphonuclear leukocytes of two closely related species, <i>Ovis canadensis</i> and <i>Ovis aries</i>, in response to <i>Mannheimia haemolytica</i> infection. Infect Immun. 78: 3578-84. 2. Caswell, J.L. <i>et al.</i> (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. <i>et al.</i> (2012) Genetic susceptibility to <i>S. aureus</i> 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. <i>et al.</i> (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. <i>et al.</i> (2015) Late production of CXCL8 in ruminant oro-nasal turbinate cells in response to <i>Chlamydia abortus</i> infection. Vet Immunol Immunopathol. 168 (1-2): 97-102. 6. Stinson LF <i>et al.</i> (2014) Effects of cytokine-suppressive anti-inflammatory drugs on inflammatory activation in <i>ex vivo</i> human and ovine fetal membranes. Reproduction. 147 (3): 313-20. 7. Cronin, J.G. <i>et al.</i> (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. <i>et al.</i> (2015) Functional analysis of bovine TLR5 and association with IgA responses of cattle following systemic immunisation with H7 flagella. Vet Res. 46: 9.
Storage	Store at +4°C or at -20°C 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.
Shelf Life	18 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 (H/L) (STAR124...)	HRP
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin , FITC , HRP
Sheep Anti Rabbit IgG (2AB02...)	Biotin
Sheep Anti Rabbit IgG (STAR36...)	DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800

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