

Datasheet: AHP425

**BATCH NUMBER 161206**

<b>Description:</b>	RABBIT ANTI SHEEP INTERLEUKIN-8
<b>Specificity:</b>	IL-8
<b>Other names:</b>	CXCL8
<b>Format:</b>	Serum
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Sheep
<b>Species Cross Reactivity</b>	Based on sequence similarity, is expected to react with: Bovine, Goat <b>N.B.</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.
<b>Product Form</b>	Serum - liquid
<b>Antiserum Preparation</b>	Antisera to ovine IL-8 were raised by repeated immunisation of rabbits with highly purified antigen.

<b>Preservative Stabilisers</b>	0.1% Sodium Azide
<b>Immunogen</b>	Recombinant ovine IL-8.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P36925</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">443418</a>    IL8    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	CXCL8
<b>Specificity</b>	<p><b>Rabbit anti Sheep Interleukin-8 antibody</b> 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.</p> <p>No cross-reactivity is seen with ovine IL-1 beta, IL-6, MCP or TNF alpha.</p>
<b>ELISA</b>	<p>The antibody may be used in a sandwich ELISA as a detection reagent for ovine IL-8, in combination with <a href="#">MCA1660</a> as capture antibody.</p> <p>N.B. It is recommended that AHP425 and any detection antibody are diluted in 10% normal mouse serum prior to use in ELISA.</p>
<b>References</b>	<ol style="list-style-type: none"> <li>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. <a href="#">Infect Immun. 78: 3578-84.</a></li> <li>Caswell, J.L. <i>et al.</i> (1998) Expression of the neutrophil chemoattractant interleukin-8 in the lesions of bovine pneumonic pasteurellosis. <a href="#">Vet Pathol. 35 (2): 124-31.</a></li> <li>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. <a href="#">Physiol Genomics. 44 (7): 403-16.</a></li> <li>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. <a href="#">J Appl Physiol. 99: 2204-11.</a></li> <li>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. <a href="#">Vet Immunol Immunopathol. 168 (1-2): 97-102.</a></li> <li>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. <a href="#">Reproduction. 147 (3): 313-20.</a></li> <li>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. <a href="#">Am J Reprod Immunol. 73 (4): 372-82.</a></li> <li>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. <a href="#">Vet Res. 46: 9.</a></li> </ol>

**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.

---

**Guarantee** 18 months from date of despatch.

---

**Health And Safety Information** Material Safety Datasheet documentation available at:  
<https://www.bio-rad-antibodies.com/SDS/AHP425>  
Material Safety Datasheet Documentation #10342 available at:  
<https://www.bio-rad-antibodies.com/uploads/MSDS/10342.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](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
----------------------------------	---	------------------	---	---------------	---

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)  
'M289896:160711'

Printed on 12 Aug 2023

---

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)