

Datasheet: AHP2373B

Description:	RABBIT ANTI BOVINE INTERLEUKIN-1 ALPHA:Biotin
Specificity:	IL-1 ALPHA
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

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	■			0.05ug/ml - 0.5ug/ml
Immunoprecipitation			■	
Western Blotting			■	

Where this product 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 product for use in their own system using appropriate negative/positive controls.

Target Species	Bovine
Species Cross Reactivity	Does not react with:Dolphin, Rabbit Reacts weakly with:Horse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG conjugated to Biotin - liquid
Antiserum Preparation	Antisera to bovine interleukin-1 alpha were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Recombinant bovine interleukin-1 alpha

**External Database
Links**

UniProt:

[P08831](#)

[Related reagents](#)

Entrez Gene:

[281250](#)

IL1A

[Related reagents](#)

Specificity

Rabbit anti Bovine interleukin-1 alpha antibody recognizes bovine interleukin-1 alpha (IL-1 α), an 18.8 kDa pleiotropic pro-inflammatory cytokine belonging to the IL-1 superfamily. It is secreted by activated macrophages and monocytes and is involved in the modulation of a wide range of immune and inflammatory responses.

IL-1 α and the closely related IL-1 β , are both involved in haematopoiesis and exhibit many identical immunomodulatory properties, binding to the same type I interleukin-1 receptor, also known as CD121a.

ELISA

This product may be used as a detection antibody in a sandwich ELISA together with [AHP2373](#) as the capture reagent. Recombinant Bovine interleukin-1alpha ([PBP031](#)) may be used as a standard.

Storage

Store at +4°C. DO NOT FREEZE.

This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

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