

## Datasheet: AHP2980

**BATCH NUMBER 156224**

<b>Description:</b>	RABBIT ANTI DOG INTERLEUKIN-1 BETA
<b>Specificity:</b>	IL-1 BETA
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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	▪			1ug/ml - 5ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1ug/ml - 2ug/ml

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.

<b>Target Species</b>	Dog
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antisera to canine interleukin-1 beta were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein</b>	IgG concentration 1.0 mg/ml

## Concentrations

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**Immunogen** Recombinant canine interleukin-1 beta

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**External Database Links**

**UniProt:**

[Q28292](#) [Related reagents](#)

**Entrez Gene:**

[403974](#) IL1B [Related reagents](#)

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**Specificity**

**Rabbit anti Dog interleukin-1 beta antibody** recognizes canine interleukin-1 beta (IL-1 $\beta$ ), a 17.5 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 $\beta$  and the closely related IL-1 $\alpha$ , are both involved in haematopoiesis and exhibit many identical immunomodulatory properties, binding to the same type I interleukin-1 receptor, also known as CD121a.

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**ELISA**

This product may be used as a capture antibody in a sandwich ELISA together with [AHP2980B](#) as the detection reagent. Recombinant Dog interleukin-1 beta ([PDP014](#)) may be used as a standard.

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**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.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/AHP2980>  
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**Regulatory**

For research purposes only

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## 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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**Printed on 18 Jan 2024**

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