Datasheet: AHP2981B

Description: RABBIT ANTI DOG INTERLEUKIN-2:Biotin

Specificity: IL-2

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.

<table>
<thead>
<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>0.1ug/ml - 0.5ug/ml</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</td>
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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

Dog

Product Form

Purified IgG conjugated to Biotin - liquid

Antiserum Preparation

Antisera to canine interleukin-2 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 (NaN₃)

Approx. Protein Concentrations

IgG concentration 1.0 mg/ml

Immunogen

Recombinant canine interleukin-2

External Database Links

UniProt: Q29416 Related reagents
**Entrez Gene:**

403989  IL2  Related reagents

### Specificity

**Rabbit anti Dog interleukin-2 antibody** specifically recognizes canine interleukin-2 (IL-2), a 17.7 kDa type I regulatory cytokine secreted by T-cells following antigenic or mitogenic stimulation. It plays a crucial role in T-cell proliferation and immune regulation, canine IL-2 may also stimulate a range of other cell types including B cells, NK cells and monocytes.

### ELISA

This product may be used as a detection antibody in a sandwich ELISA together with AHP2981 as the capture reagent. Recombinant dog interleukin-2 (PDP015) 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.

### Guarantee

12 months from date of despatch

### Health And Safety Information

Material Safety Datasheet documentation #10040 available at:

### Regulatory

For research purposes only

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