Datasheet: AHP2376

**Description:** RABBIT ANTI BOVINE INTERLEUKIN-17A  
**Specificity:** IL-17A  
**Format:** Purified  
**Product Type:** Polyclonal Antibody  
**Isotype:** Polyclonal IgG  
**Quantity:** 0.1 mg

**Product Details**

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).

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<tr>
<td>ELISA</td>
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<td></td>
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<td>1.0 ug/ml - 10 ug/ml</td>
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<td>Immunoprecipitation</td>
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<tr>
<td>Western Blotting</td>
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<td>0.1 ug/ml - 1.0 ug/ml</td>
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</tbody>
</table>

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**  
Reacts with: Dolphin, Mouse, Sheep, Pig  
Reacts weakly with: Dog, Horse  
**N.B.** Antibody reactivity and working conditions may vary between species.

**Product Form**  
Purified IgG - liquid

**Antiserum Preparation**  
Antisera to bovine interleukin-17A 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 bovine interleukin-17A
Rabbit anti Bovine interleukin-17A antibody recognizes bovine interleukin-17A (IL-17A), a 35 kDa disulfide-linked homodimer consisting of two 153 amino acid chains, which belongs to the IL-17 family (classified as IL-17A to IL-17F), and signals through the IL-17 receptor (IL-17R/CDw217).

IL-17, originally thought to have been produced primarily by activated CD4+ T cells, appears to have a range of cellular origins and induces a variety of target cells to secrete inflammatory cytokines, including IL-1β, IL-6, TNFα, IFNγ and granulocyte colony-stimulating factor, as well as synergizing with other inflammatory cytokines and agonists.

ELISA

This product may be used as a capture antibody in a sandwich ELISA together with AHP2376B as the detection reagent. Recombinant bovine interleukin-17A (PBP025) 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


Regulatory

For research purposes only

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (2AB02...) Biotin
Sheep Anti Rabbit IgG (STAR34...) FITC
Sheep Anti Rabbit IgG (STAR35...) RPE
Goat Anti Rabbit IgG (Fc) (STAR121...) Biotin, FITC, HRP
Goat Anti Rabbit IgG (H/L) (STAR124...) HRP
Sheep Anti Rabbit IgG (STAR54...) HRP
Sheep Anti Rabbit IgG (STAR36...) DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800

Recommended Useful Reagents

RECOMBINANT BOVINE INTERLEUKIN-17A (PBP025)
RABBIT ANTI BOVINE INTERLEUKIN-17A:Biotin (AHP2376B)