

Datasheet: AHP2379B

Description:	RABBIT ANTI BOVINE INTERLEUKIN-21:Biotin
Specificity:	IL-21
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	Reacts with: Sheep Does not react with: Chicken, Dog, Pig 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-21 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-21

**External Database
Links**

UniProt:

[Q76LU5](#) [Related reagents](#)

Entrez Gene:

[378475](#) IL21 [Related reagents](#)

Specificity

Rabbit anti Bovine interleukin-21 antibody recognizes bovine interleukin-21 (IL-21), a 16.95 kDa cytokine belonging to the IL-15/IL-21 family.

IL-21 is a cytokine with immunoregulatory activity. IL-21 stimulates B- and T-cell proliferation and increases the activity of NK cells and disease-specific cytotoxic T-cells. Interleukin-21 is believed to inhibit dendritic cell activation and maturation during the T-cell mediated immune response.

ELISA

This product may be used as a detection antibody in a sandwich ELISA together with [AHP2379](#) as the capture reagent. Recombinant bovine interleukin-21 ([PBP028](#)) 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

**North & South
America**

Tel: +1 800 265 7376

Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

'M280462:160122'

Printed on 30 Apr 2018