

Datasheet: PBP028

| | |
|----------------------|-----------------------------------|
| Description: | RECOMBINANT BOVINE INTERLEUKIN-21 |
| Name: | IL-21 |
| Format: | Rec. Protein |
| Product Type: | Recombinant Protein |
| Quantity: | 5 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 |
|------------------|-----|----|----------------|--------------------|
| ELISA | ▪ | | | |
| 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 |
| Product Form | Purified recombinant protein - lyophilized |
| Reconstitution | Reconstitute with 20 µl sterile PBS containing 0.1% carrier protein Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. |
| Preparation | Recombinant protein expressed in <i>Pichia pastoris</i> and purified by ion-exchange chromatography |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 10% Trehalose |
| External Database Links | <p>UniProt: Q76LU5 Related reagents</p> <p>Entrez Gene: 378475 IL21 Related reagents</p> |
| Product Information | <p>Recombinant Bovine interleukin-21 (IL-21) is a recombinant protein corresponding to aa 18-146 of native bovine IL-21.</p> <p>Bovine interleukin-21 is a potent type I regulatory cytokine belonging to the IL-15/IL-21 family</p> |

expressed by activated T-cells. Interleukin-21 is involved with the modulation of T and B cell activity along with promoting proliferation of NK cells and cytotoxic T-cells.

| | |
|---------------------------------|----------|
| Protein Molecular Weight | 15.1 kDa |
|---------------------------------|----------|

| | |
|---------------|---------------------------|
| Purity | >95% by SDS PAGE analysis |
|---------------|---------------------------|

| | |
|--------------|--|
| ELISA | This reagent may be used as a standard in a sandwich ELISA assay in conjunction with AHP2379 as a coating antibody and AHP2379B as a detection antibody. |
|--------------|--|

| | |
|----------------|--|
| Storage | Prior to reconstitution store at -20°C. After reconstitution store at -20°C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. |
|----------------|--|

| | |
|-------------------|---------------------------------|
| Shelf Life | 12 months from date of despatch |
|-------------------|---------------------------------|

| | |
|--------------------------------------|--|
| Health And Safety Information | Material Safety Datasheet documentation #10591 available at: 10591: https://www.bio-rad-antibodies.com/uploads/MSDS/10591.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

'M280460:160122'

Printed on 01 May 2018

© 2018 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)