

Datasheet: PPP021

**BATCH NUMBER 157854**

|                      |                                |
|----------------------|--------------------------------|
| <b>Description:</b>  | RECOMBINANT PIG ERYTHROPOIETIN |
| <b>Name:</b>         | ERYTHROPOIETIN                 |
| <b>Format:</b>       | Rec. Protein                   |
| <b>Product Type:</b> | Recombinant Protein            |
| <b>Quantity:</b>     | 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](http://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.

|                                 |  |
|---------------------------------|--|
| <b>Target Species</b>           | Pig  |
| <b>Product Form</b>             | Purified recombinant protein - lyophilized   |
| <b>Reconstitution</b>           | Reconstitute with 20 µl sterile PBS containing 0.1% carrier protein<br>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. |
| <b>Preparation</b>              | Recombinant protein expressed in <i>Pichia pastoris</i> and purified by ion-exchange chromatography  |
| <b>Buffer Solution</b>          | Phosphate buffered saline  |
| <b>Preservative Stabilisers</b> | 10% Trahalose  |

### External Database Links

**UniProt:**

[P49157](#)

[Related reagents](#)

**Entrez Gene:**

[397249](#) EPO [Related reagents](#)

---

**Product Information** **Recombinant Pig erythropoietin** is an 18.6 kDa recombinant protein corresponding to aa 27 - 194 of native porcine erythropoietin (EPO).

Erythropoietin, commonly known as EPO or hematopoietin, is a secreted protein belonging to the EPO/TPO family and involved in erythrocyte regulation.

Erythropoietin is a hormone secreted from, in adult mammals, primarily the kidney but to a lesser extent the liver. In the fetus, EPO is secreted from the liver. EPO functions as a regulatory cytokine in the differentiation of erythrocytes.

---

**Protein Molecular Weight** 18.6 kDa

---

**Purity** >95% by SDS PAGE analysis

---

**ELISA** This reagent may be used as a standard in a sandwich ELISA assay in conjunction with [AHP2389](#) as a coating antibody and [AHP2389B](#) 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.

---

**Guarantee** 12 months from date of despatch

---

**Health And Safety Information** Material Safety Datasheet documentation #10591 available at: <https://www.bio-rad-antibodies.com/SDS/PPP021>  
10591

---

**Regulatory** For research purposes only

---

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto: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](mailto:antibody_sales_de@bio-rad.com)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

'M334867:181203'

**Printed on 02 Jul 2024**

---

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)