

Datasheet: PPP021

BATCH NUMBER 154789

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|----------------------|--------------------------------|
| Description: | RECOMBINANT PIG ERYTHROPOIETIN |
| Name: | ERYTHROPOIETIN |
| 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 | Pig |
| 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% 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

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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)

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