

Datasheet: PPP021

BATCH NUMBER 167307

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
Source	<i>Pichia pastoris</i>
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.

References 1. Dawson, H.D. *et al.* (2020) Porcine cytokines, chemokines and growth factors: 2019 update. [Res Vet Sci. 131: 266-300.](#)

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/PPP02110591>

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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