

Datasheet: PPP021

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% Trehalose
External Database Links	UniProt:

Entrez Gene:

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. <i>et al.</i> (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

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
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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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