

Datasheet: OBT1538

**BATCH NUMBER 151197**

<b>Description:</b>	RECOMBINANT HUMAN ERYTHROPOIETIN ALPHA
<b>Name:</b>	ERYTHROPOIETIN ALPHA
<b>Other names:</b>	EPO
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	50 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	▪			
Functional Assays	▪			

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>	Human
<b>Product Form</b>	Recombinant protein - lyophilised
<b>Reconstitution</b>	<p>Reconstitute with 250ul sterile deionised water</p> <p>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. For long term storage the addition of a carrier protein (0.1% HSA or BSA) is recommended.</p>
<b>Buffer Solution</b>	Citrate buffered saline
<b>Preservative Stabilisers</b>	None present.
<b>Approx. Protein Concentrations</b>	Total protein concentration 0.2mg/ml after reconstitution

**External Database  
Links**

**UniProt:**

[P01588](#)   [Related reagents](#)

**Entrez Gene:**

[2056](#)   EPO   [Related reagents](#)

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**Product Information**   **Recombinant Human erythropoietin alpha** is recombinant human erythropoietin alpha, produced in CHO cells. It is a single polypeptide chain containing 166 amino acids with a predicted molecular mass of 21,000 Daltons and an apparent molecular mass of 30,400 Daltons.

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**Activity**   The specific activity was measured by normocythaemic mice and found to be 150,000 IU/mg

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**Purity**   >98.0% by HPLC analysis and SDS-PAGE

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**References**   1. Taylor, N.D. *et al.* (2010) Anti-glycophorin single-chain Fv fusion to low-affinity mutant erythropoietin improves red blood cell-lineage specificity. [Protein Eng Des Sel. 23: 251-60.](#)

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**Storage**   Prior to reconstitution store at +4°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. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**   12 months from date of despatch

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**Health And Safety Information**   Material Safety Datasheet documentation #10175 available at: <https://www.bio-rad-antibodies.com/SDS/OBT1538>  
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**Regulatory**   For research purposes only

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