

Datasheet: OBT1538

BATCH NUMBER 163334

Description:	RECOMBINANT HUMAN ERYTHROPOIETIN ALPHA
Name:	ERYTHROPOIETIN ALPHA
Other names:	EPO
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	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.

	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.

Target Species	Human
Product Form	Recombinant protein - lyophilized
Reconstitution	Reconstitute with 250ul sterile deionised water 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.
Buffer Solution	Citrate buffered saline
Preservative Stabilisers	None present.
Approx. Protein Concentrations	Total protein concentration 0.2mg/ml after reconstitution

**External Database
Links**

UniProt:

[P01588](#) [Related reagents](#)

Entrez Gene:

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

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.

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

Purity >98.0% by HPLC analysis and SDS-PAGE

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.](#)

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.

Guarantee 12 months from date of despatch

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

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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