

Datasheet: OBT1538

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 - lyophilised
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	<p>UniProt: P01588 Related reagents</p> <p>Entrez Gene: 2056 EPO Related reagents</p>

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. <i>et al.</i> (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: 10175: https://www.bio-rad-antibodies.com/uploads/MSDS/10175.pdf
Regulatory	For research purposes only

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