



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

RECOMBINANT HUMAN ERYTHROPOIETIN ALPHA

Catalog No.
DS-01-0107

Source

Description

This product is recombinant human erythropoietin alpha, 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. Entrez protein accession number NM_000799.2.

Target Species

Human

Formulation

Product Form: Recombinant protein – lyophilized.

Reconstitution: re-constituted in 250 µl sterile deionised water, which can then be diluted further in other aqueous solutions.

Buffer Solution: This product is presented in lyophilised form with each mg of protein containing 5.8mg sodium citrate, 5.8mg sodium chloride and 0.06mg citric acid.

Stabilisers: None present

Activity

The specific activity was measured by normocythaemic mice and found to have an activity of 120,000 IU/mg.

Storage

-20°C after reconstitution. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Should this product contain a precipitate we recommend microcentrifugation before use.

Avoid repeated freezing and thawing.

Shelf Life is 12 months from date of reconstitution.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Applications

Table Summary of protein applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA			•	
Western Blotting			•	
Flow Cytometry			•	
Immunofluorescence staining			•	
Functional Assays	•			

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

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