
Product Data Sheet

Product Name: EPO Mouse
 Cat. No.: GP26017
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs
Synonyms	Erythropoietin, erythropoietin isoform 1 precursor, Epo.		
Amino Acid Sequence	ADPMAPPRLI CDSRVLERYI LEAKEAENVV MGCAEGPRLS ENITVPDTKV NFYAWKRMEV EEQAIEVWQG LLLSEAILQ AQALLANSSQ PPETLQLHID KAISGLRSLT SLLRVLGAQK ELMSPDTP PAPLRTLTV DTFCKLFRVYA NFLRGKCLKLY TGEVCRRGDR HHHHHH.		
Formulation	EPO Mouse protein (0.25mg/ml) contains 10% glycerol and Phosphate-Buffered Saline (pH 7.4).		

Introduction

Erythropoietin or EPO is a hormone (glycoprotein), part of the type I cytokine group of proteins. EPO is found mainly in the kidney tissue, produced from fibroblast-like cortical interstitial cells near the proximal tubules. EPO is also present in the blood, where it acts as red cell production regulator, by the promotion of differentiation of erythroid and thereby starts hemoglobin synthesis. Furthermore, EPO has neuroprotective activity towards brain injuries & anti-apoptotic activity in different tissues.

Biological Activity

Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 range \leq 2ng/ml.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

EPO Mouse Recombinant produced in Baculovirus is a single glycosylated polypeptide chain containing 176 amino acids (27-192 aa) and having a molecular mass of 19.8kDa. EPO is fused to a 9 amino acid His tag at C-terminus and purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA