9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

EPO Mouse

Erythropoietin Mouse Recombinant
GRF0049

Product Overview

Name	EPO Mouse
Description	
Erythropoietin Mouse Recombinant	
Accession (Primary)	P07321
Synonyms	
Erythropoietin, erythropoietin isoform 1 precursor, Epo.	
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.	
Source	
Sf9, Baculovirus cells .	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
EPO Mouse protein (0.25mg/ml) contains 10% glycerol and Phosphate-Buffered Saline (pH 7.4).	
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.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
ADP MAPPRLI CDSRVLERYI LEAKEAENVT MGCAEGPRLS ENITVPDTKV NFYAWKRMEV EEQAIEVWQG LSLLSEAILQ AQALLANSSQ PPETLQLHID KAISGLRSLT SLLRVLGAQK ELMSPPDTTP PAPLRTLTVD TFCKLFRVYA NFLRGKLKLY TGEVCRRGDR HHHHHH.	
Biological Activity	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

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

Precautions

EPO Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P07321)