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32-6341: EPOA Mouse

Application : Functional Assay
Alternative Name : Erythropoietin, erythropoietin isoform 1 precursor, Epo.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
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.
EPOA 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.EPOA is fused to a 9 amino acid His tag at C-terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	EPOA protein (0.25mg/ml) contains 10% glycerol and Phosphate-Buffered Saline (pH 7.4).
Storage condition :	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.
Amino Acid :	ADPMAPPRLI CDSRVLERYI LEAKEAENVT MGCAEGPRLS ENITVPDTKV NFYAWKRMEV EEQAIEVWQG LSLLSEAILQ AQALLANSSQ PPETLQLHID KAISGLRSLT SLLRVLGAQK ELMSPPDTTP PAPLRTLTVD TFCKLFRVYA NFLRGKLKLY TGEVCRRGDR HHHHHH.

Application Note

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

For Research Use Only. Not for use in diagnostic/therapeutics procedures.