

Product datasheet for **AM33423PU-N**

EPO Mouse Monoclonal Antibody [Clone ID: 85]

Product data:

Product Type:	Primary Antibodies
Clone Name:	85
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western blotting.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified CHO cell-expressed recombinant Human EPO. Fusion Myeloma: Sp2/0-Ag14.
Specificity:	This antibody reacts specifically with EPO. Does not cross-react with other Human cytokines tested such as IL-8, IL-16, IL-7, MCP-1, TNF-beta, GM-CSF, M-CSF, IL-1beta, bFGF and Human Serum Albumin or Bovine Serum Albumin.
Formulation:	Lyophilized from 0.01M PBS, pH 7.2 State: Aff - Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore in double distilled water to a concentration of 1.0 mg/ml.
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	erythropoietin
Database Link:	Entrez Gene 2056 Human P01588



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Background:

Erythropoietin (EPO), also known as hematopoietin is a glycoprotein cytokine that regulates the red blood cell production from the precursor cells in bone marrow. In fetal and perinatal period, EPO is mainly produced by the perisinusoidal cells in liver. In adults, majority of EPO is produced in the interstitial fibroblasts in kidney. EPO is necessary for red blood cell production, also stimulates angiogenesis and proliferation of smooth muscle cells. Recombinant EPO (rEPO) has been applied for treatment of anaemia. And the investigation into its neuronal protection effect in hypoxic conditions (stroke, myocardial infarction etc.) is ongoing. Some individuals use rEPO to enhance performance in sports.

Synonyms:

Epoetin

Note:

Centrifuge before opening to ensure complete recovery of vial contents.

Product images:

Detect EPO antigen (100ng/well) using Mouse anti-Human EPO Antibody (clone 85) at 1/1000 dilution (1 ug/ml).