

## Product datasheet for **AM00743PU-N**

### EPO Mouse Monoclonal Antibody [Clone ID: Epo2]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	Epo2
Applications:	ELISA, WB
Recommended Dilution:	<b>Sandwich ELISA</b> (Capture). <i>Recommended Pair for Sandwich Immunoassay:</i> Detection: AM00744PU-N Capture: AM00743PU-N
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human EPO, full-length. Source: Ascites.
Specificity:	This antibody recognizes Erythropoietin (EPO).
Formulation:	PBS, pH 7.4 State: Purified State: Liquid purified IgG fraction ( $\geq 95\%$ pure by SDS-PAGE) Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Protein G Sepharose Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	erythropoietin
Database Link:	<a href="#">Entrez Gene 2056 Human P01588</a>



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**Background:** Human Erythropoietin is member of the EPO/TPO family and encodes a secreted, glycosylated cytokine hormone composed of four alpha helical bundles. The protein is found in the plasma and regulates red cell production by promoting erythroid differentiation and initiating hemoglobin synthesis. This protein also has neuroprotective activity against a variety of potential brain injuries and antiapoptotic functions in several tissue types. It is produced by kidney or liver of adult mammals and by liver of fetal or neonatal mammals.

**Synonyms:** Epoetin

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.