



EPO mouse mAb

Catalog No	YP-mAb-16097
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB; ELISA
Gene Name	EPO
Immunogen	Synthesized peptide derived from human EPO
Specificity	This antibody detects endogenous levels of Human EPO
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, mouse,IgG
Purification	The antibody was affinity-purified from mouse serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:1000-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EPO;EP;Epoetin;erythropoietin;MVCD2;Erythropoietin (Epoetin)
Calculated Molecular Weight	193 aa, 21 kDa
Cell Pathway	Secreted .
Tissue Specificity	Produced by kidney or liver of adult mammals and by liver of fetal or neonatal mammals.
Function	disease:Genetic variation in EPO is associated with susceptibility to microvascular complications of diabetes type 2 (MVCD2) [MIM:612623]; also called susceptibility to proliferative diabetic retinopathy (PDR) or susceptibility to diabetic end-stage renal disease (ESRD). Significant morbidity and mortality among patients with diabetes mellitus result largely from a greatly increased incidence of microvascular complications. PDR and ESRD are two of the most common and severe microvascular complications of diabetes. A high concordance exists in the development of PDR and ESRD in diabetic patients, as well as strong familial aggregation of these complications, suggesting a common underlying genetic mechanism. EPO is a potent angiogenic factor observed in the diabetic human and mouse eye.,function:Erythropoietin is the principal hormone involved in the regulation of erythrocyte differentiation

Background

This gene is a member of the EPO/TPO family and encodes a secreted, glycosylated cytokine 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. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images