

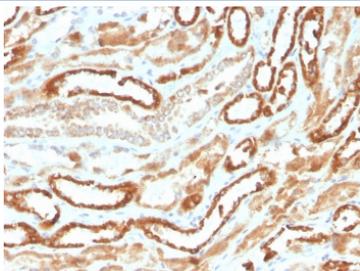
Recombinant Erythropoietin Antibody / EPO [clone rEPO/1367] (V7732)

Catalog No.	Formulation	Size
V7732-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7732-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7732SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

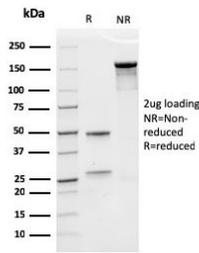
Recombinant **MOUSE MONOCLONAL**

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Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rEPO/1367
Purity	Protein G affinity chromatography
UniProt	P01588
Localization	Cell surface, cytoplasmic
Applications	Immunohistochemistry (FFPE) : 2-4ug/ml
Limitations	This recombinant Erythropoietin antibody is available for research use only.



IHC staining of FFPE human kidney with recombinant Erythropoietin antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



SDS-PAGE analysis of purified, BSA-free recombinant EPO antibody (clone rEPO/1367) as confirmation of integrity and purity.

Description

Recognizes a protein of about 37kDa, which is identified as Erythropoietin (EPO). Erythropoietin is a secreted, glycosylated cytokine hormone composed of four alpha helical bundles. It is the primary factor responsible for regulating erythropoiesis during steady-state conditions and in response to blood loss and hemorrhage in the adult organism. Erythropoietin is synthesized by the kidney and stimulates the proliferation and maturation of bone marrow erythroid precursor cells. The protein is found in the plasma and regulates red cell production by promoting erythroid differentiation and initiating hemoglobin synthesis.

Application Notes

Optimal dilution of the recombinant Erythropoietin antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein (amino acids 28-162) was used as the immunogen for the recombinant Erythropoietin antibody.

Storage

Store the recombinant Erythropoietin antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).