

Datasheet for ABIN4949653

anti-EPO antibody



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1 Image

Overview

Quantity:	100 µg
Target:	EPO
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EPO antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	A human partial recombinant protein was used as the immunogen for the Erythropoietin antibody.
Clone:	EPO-1367
Isotype:	IgG
Purification:	Protein G affinity chromatography

Target Details

Target:	EPO
Alternative Name:	Erythropoietin / EPO (EPO Products)
Target Type:	Hormone

Target Details

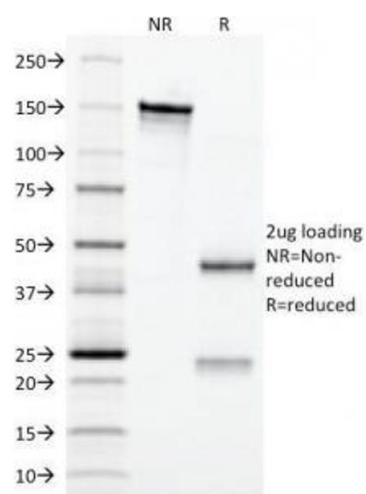
Background:	Erythropoietin / EPO is a secreted, glycosylated cytokine hormone composed of four alpha helical bundles. It is the primary factor responsible for regulating erythropoiesis during steady-state conditions and in response to blood loss and hemorrhage in the adult organism. Erythropoietin is 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.
Pathways:	JAK-STAT Signaling , Hormone Activity , Negative Regulation of intrinsic apoptotic Signaling , Negative Regulation of Transporter Activity

Application Details

Application Notes:	Titring of the Erythropoietin antibody may be required for optimal performance.\. IF: 1-2 μ g/mL,Immunohistochemistry (FFPE): 4-8 μ g/mL for 30 min at RT,Flow Cytometry: 0.5-1 μ g/million cells in 0.1ml
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	1 mg/mL in 1X PBS, BSA free, sodium azide free
Preservative:	Azide free
Storage:	4 °C,-20 °C
Storage Comment:	Store the Erythropoietin antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



SDS-PAGE

Image 1. SDS-PAGE Analysis of Purified, BSA-Free Erythropoietin Antibody (clone EPO/1367). Confirmation of Integrity and Purity of the Antibody.