

Nur für Forschungszwecke

NeutraKine® EPO Monoklonaler Antikörper



Katalog-Nr.: 69019-1-Ig

Allgemeine Informationen

Katalog-Nr.:
69019-1-Ig

Größe:
100ug

Wirt:
Maus

Isotyp:
IgG1

Immunogen Katalognummer:
HZ-1168

GenBank-Zugangsnummer:

GeneID (NCBI):
2056

Vollständiger Name:
erythropoietin

Reinigungsmethode:

Protein-G-Reinigung

CloneNo.:
1D2H2

Anwendungen

Geprüfte Anwendungen:
Neutralization, ELISA

Getestete Reaktivität:
Human

Hintergrundinformationen

Erythropoietin (Epo) 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. Its effect is realized by binding erythropoietin receptor (EpoR) expressed on erythroid progenitor cells. EpoR, is a glycoprotein expressed on megakaryocytes, erythroid progenitors and endothelial cells. Epo also has neuroprotective activity against a variety of potential brain injuries and antiapoptotic functions in several tissue types.

This antibody can be used to neutralize the bioactivity of EPO.

Lagerung

Lagerungsbedingungen:

Lyophilisierte Antikörper sind bei Lagerung zwischen (-20°C) und (-80°C) 1 Jahr ab Empfangsdatum stabil. Bei Rekonstitution empfehlen wir, die Lösung kurzfristig bei (4°C) oder langfristig bei (-20°C) bis (-80°C). Rekonstituierte Produkte sollten nicht wiederholt eingefroren und wieder aufgetaut werden.

Lagerungspuffer:
Sterile PBS.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

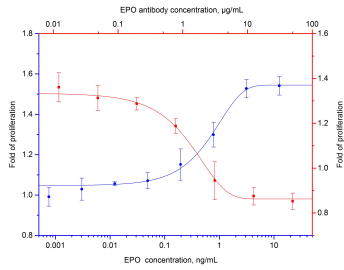
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

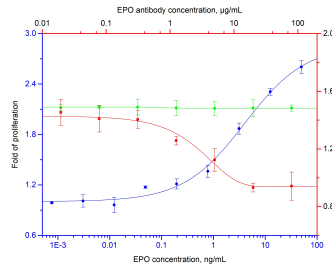
E: proteintech@ptglab.com
W: ptglab.com

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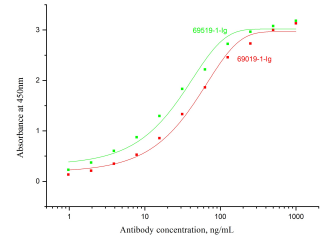
Ausgewählte Validierungsdaten



Recombinant human EPO (Cat.NO. HZ-1168) stimulates TF-1 cells (human erythroleukemic cell line) in a dose-dependent manner (blue curve, refer to bottom X-left Y). The activity of human EPO (6 ng/mL HZ-1168) was neutralized by mouse anti-human EPO monoclonal antibody 69019-1-Ig at serial dose (red curve, refer to top X-right Y). The ND50 is typically 2-5 µg/mL.



Recombinant human EPO (Cat.NO. HZ-1168) stimulates TF-1 cells (human erythroleukemic cell line) in a dose-dependent manner (blue curve, refer to bottom X-left Y). The activity of human EPO (1 ng/mL HZ-1168) was neutralized by mouse anti-human EPO monoclonal antibody 69019-1-Ig at serial dose (red curve, refer to top X-right Y). The ND50 is typically 2-5 µg/mL. The NeutraControl mouse anti-human EPO monoclonal antibody 69519-1-Ig could



Indirect ELISA was carried out by coating recombinant Human EPO (Cat.NO. HZ-1168) at 70 ng/well followed by blocking and adding serial diluted EPO antibody 69019-1-Ig and 69519-1-Ig respectively. Signal was developed with TMB and stopped by H₂SO₄. Signal strength was measured by absorbance at 450 nm.