

À des fins de recherche uniquement

Anticorps Monoclonal anti-NeutraKine® EPO



Numéro de catalogue: 69019-1-Ig

Informations de base

Numéro de catalogue:

69019-1-Ig

Taille:

100ug

Hôte:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

HZ-1168

Numéro d'acquisition GenBank:

Identification du gène (NCBI):

2056

Nom complet:

erythropoietin

Méthode de purification:

Purification par protéine G

CloneNo.:

1D2H2

Applications

Applications testées:

Neutralization, ELISA

Spécificité de l'espèce:

Humain

Informations générales

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.

Stockage

Stockage:

Les anticorps lyophilisés sont stables pendant 1 an à compter de la date de réception s'ils sont stockés à une température comprise entre -20 °C et -80 °C. Après reconstitution, nous recommandons que la solution soit stockée à (4 °C) pour une courte durée ou à une température comprise entre (-20 °C) et (-80 °C) pour une longue durée. Il convient d'éviter les cycles répétés de congélation-décongélation avec les produits reconstitués.

Tampon de stockage:

PBS stérile.

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

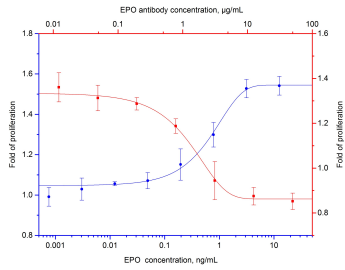
For technical support and original validation data for this product please contact:

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

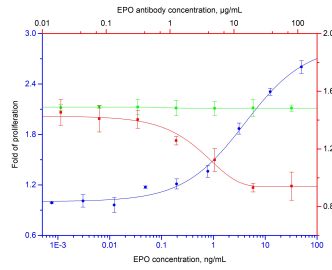
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

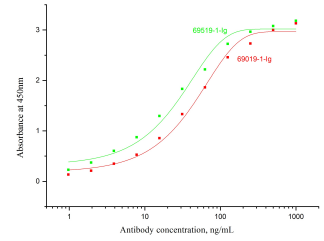
Données de validation sélectionnées



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.