

Nur für Forschungszwecke

# NeutraControl EPO Monoklonaler Antikörper



Katalog-Nr.: 69519-1-Ig

## Allgemeine Informationen

Katalog-Nr.: 69519-1-Ig	GenBank-Zugangsnummer: GeneID (NCBI): 2056	Reinigungsmethode: Protein-G-Reinigung
Größe: 100ug	Vollständiger Name: erythropoietin	CloneNo.: 1D3B1
Wirt: Maus		
Isotyp: IgG1		
Immunogen Katalognummer: HZ-1168		

## Anwendungen

**Geprüfte Anwendungen:**  
Non-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 is a neutralizing control antibody for EPO, the immunogen is the same as Neutrakine 69019-1-Ig but could not neutralize human 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**

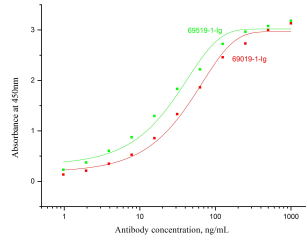
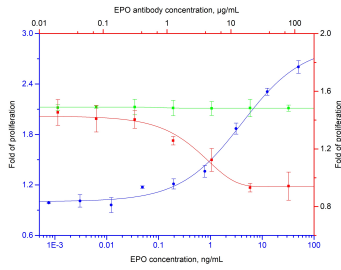
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## Ausgewählte Validierungsdaten



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 (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 H<sub>2</sub>SO<sub>4</sub>. Signal strength was measured by absorbance at 450 nm.