For Research Use Only

NeutraKine®Thrombopoietin Monoclonal antibody

Catalog Number:69028-1-Ig

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
69028-1-Ig

Size:
100ug

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
HZ-1248

GenBank Accession Number:

GeneID (NCBI):
7066

Full Name:
thrombopoietin

Purification Method:
Protein G purification

CloneNo.:
2H8G1

Applications

Tested Applications:
Neutralization, ELISA

Species Specificity:
Human

Background Information

Thrombopoietin (TPO) is a primary regulator of megakaryocyte development and platelet production in mammals. Human TPO constitutively circulates and maintains thrombopoiesis through interaction with its cognate receptor, myeloproliferative leukemia protein(MPL). TPO also plays an important role in the maintenance and regulation of hematopoietic stem cells (HSCs).

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

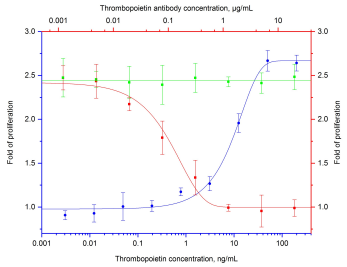
Storage

Storage:
Lyophilized antibodies are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at(4°C) for short term or at(-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.
Storage Buffer:
Sterile PBS.
Aliquoting is unnecessary for -20°C storage

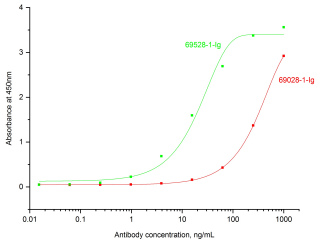
***** 20ul sizes contain 0.1% BSA**

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

Selected Validation Data



Recombinant human Thrombopoietin (Cat.NO. HZ-1248) stimulates proliferation of TF-1 cell line (human erythroleukemic cell line) in a dose-dependent manner (blue curve, refer to bottom X-left Y). The activity of human Thrombopoietin (30 ng/mL HZ-1248) is neutralized by mouse anti-human Thrombopoietin monoclonal antibody 69028-1-Ig at serial dose (red curve, refer to top X-right Y). The ND50 is typically 0.1-0.5μg/mL.The NeutraControl mouse anti-



Indirect ELISA was carried out by coating recombinant Human Thrombopoietin (Cat.NO. HZ-1248) at 70 ng/well followed by blocking and adding serial diluted Thrombopoietin antibody 69028-1-Ig and 69528-1-Ig respectively. Signal was developed with TMB and stopped by H2SO4. Signal strength was measured by absorbance at 450 nm.