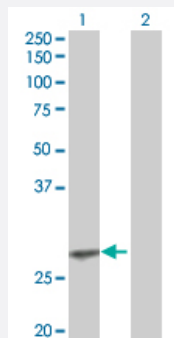


EPO monoclonal antibody (M01), clone 4G7

Catalog # H00002056-M01

Size 100 ug

Applications

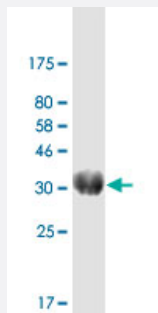


Western Blot (Transfected lysate)

Western Blot analysis of EPO expression in transfected 293T cell line by EPO monoclonal antibody (M01), clone 4G7.

Lane 1: EPO transfected lysate(21.3 KDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (21 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant EPO.
Immunogen	EPO (NP_000790.1, 28 a.a. ~ 193 a.a) full-length recombinant protein.
Sequence	APPRLICDSRVLERYLLEAKEAENITGCAEHCSLNENITVPDTKVNIFYAWKRMEVGQQAVEVWQ GLALLSEAVLRGQALLVNSSQPWEPLQLHVDKAVSGLRSLTLLRALGAQKEAISPPDAASAAPL RTITADTFRKLFVYSNFLRGKLLYTGEACRTGDR
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (80); Rat (83)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (21 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of EPO expression in transfected 293T cell line by EPO monoclonal antibody (M01), clone 4G7.

Lane 1: EPO transfected lysate(21.3 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- ELISA

Gene Info — EPO

Entrez GeneID	2056
GeneBank Accession#	NM_000799.1
Protein Accession#	NP_000790.1
Gene Name	EPO
Gene Alias	EP, MGC138142
Gene Description	erythropoietin
Omim ID	133170
Gene Ontology	Hyperlink

Gene Summary

This gene 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. This protein also has neuroprotective activity against a variety of potential brain injuries and antiapoptotic functions in several tissue types. [provided by RefSeq]

Other Designations

epoetin

Publication Reference

- [Immuno-magnetic beads-based extraction-capillary zone electrophoresis-deep UV laser-induced fluorescence analysis of erythropoietin.](#)

Wang H, Dou P, Lu C, Liu Z.

Journal of Chromatography. A 2012 Jul; 1246:48.

Application: Func, Protein A magnetic beads

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Hematopoietic cell lineage](#)
- [Jak-STAT signaling pathway](#)

Disease

- [Amyotrophic lateral sclerosis](#)
- [Cardiovascular Diseases](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Leukemia](#)

- [Myelodysplastic Syndromes](#)
- [Retinopathy of Prematurity](#)
- [Rhinitis](#)