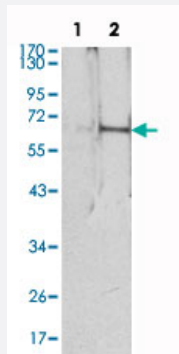


EPO monoclonal antibody, clone 4F11

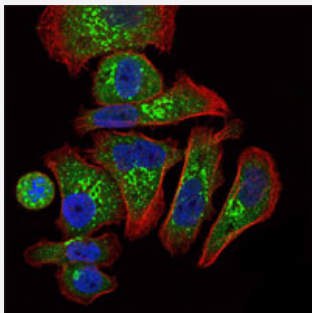
Catalog # MAB10637 Size 100 uL

Applications



Western Blot (Transfected lysate)

Western blot analysis using EPO monoclonal antibody, clone 4F11 (Cat # MAB10637) against HEK293 (1) and EPO-hlgGfC transfected HEK293 (2) cell lysate.



Immunofluorescence

Immunofluorescence analysis of GC-7901 cells using EPO monoclonal antibody, clone 4F11 (Cat # MAB10637) (green) . Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant EPO.
Immunogen	Recombinant protein corresponding to human EPO.
Host	Mouse
Theoretical MW (kDa)	21
Reactivity	Human
Form	Liquid

Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunofluorescence (1:200-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis using EPO monoclonal antibody, clone 4F11 (Cat # MAB10637) against HEK293 (1) and EPO-hlgGfc transfected HEK293 (2) cell lysate.

- Immunofluorescence

Immunofluorescence analysis of GC-7901 cells using EPO monoclonal antibody, clone 4F11 (Cat # MAB10637) (green) . Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — EPO

Entrez GeneID	2056
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

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](#)