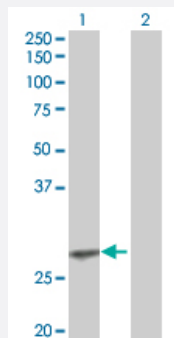


# EPO monoclonal antibody (M01A), clone 4G7

Catalog # H00002056-M01A

Size 200 uL

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of EPO expression in transfected 293T cell line by EPO monoclonal antibody (M01A), clone 4G7.

Lane 1: EPO transfected lysate(21.3 KDa).

Lane 2: Non-transfected lysate.

## 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                      | APPRLICDSRVLERYLLEAKEAENITTGCAEHCSLNENITVPDTKVNIFYAWKRMEVGQQAVEVWQ<br>GLALLSEAVLRGQALLVNSSQPWEPLQLHVDKAVSGLRSLTLLRALGAQKEAISPPDAASAAPL<br>RTITADTFRKLFRVYSNFLRGKLKLYTGEACRTGDR |
| Host                          | Mouse                                                                                                                                                                          |
| Reactivity                    | Human                                                                                                                                                                          |
| Interspecies Antigen Sequence | Mouse (80); Rat (83)                                                                                                                                                           |
| Isotype                       | IgG2a Kappa                                                                                                                                                                    |
| Quality Control Testing       | Antibody Reactive Against Recombinant Protein.                                                                                                                                 |
| Storage Buffer                | In ascites fluid                                                                                                                                                               |
| 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 (M01A), clone 4G7.

Lane 1: EPO transfected lysate(21.3 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- ELISA

## Gene Info — EPO

|               |                      |
|---------------|----------------------|
| Entrez GeneID | <a href="#">2056</a> |
|---------------|----------------------|

|                     |                             |
|---------------------|-----------------------------|
| GeneBank Accession# | <a href="#">NM_000799.1</a> |
|---------------------|-----------------------------|

|                    |                             |
|--------------------|-----------------------------|
| Protein Accession# | <a href="#">NP_000790.1</a> |
|--------------------|-----------------------------|

|           |     |
|-----------|-----|
| Gene Name | EPO |
|-----------|-----|

|            |               |
|------------|---------------|
| Gene Alias | EP, MGC138142 |
|------------|---------------|

|                  |                |
|------------------|----------------|
| Gene Description | erythropoietin |
|------------------|----------------|

|         |                        |
|---------|------------------------|
| Omim ID | <a href="#">133170</a> |
|---------|------------------------|

|               |                           |
|---------------|---------------------------|
| Gene Ontology | <a href="#">Hyperlink</a> |
|---------------|---------------------------|

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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](#)