

# EPO monoclonal antibody, clone Epo1

Catalog # MAB2937      Size 200 ug

## Specification

|                            |                                                                                                                        |
|----------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Mouse monoclonal antibody raised against EPO.                                                                          |
| <b>Immunogen</b>           | Erythropoetin.                                                                                                         |
| <b>Host</b>                | Mouse                                                                                                                  |
| <b>Form</b>                | Liquid                                                                                                                 |
| <b>Isotype</b>             | IgG1                                                                                                                   |
| <b>Recommend Usage</b>     | The optimal working dilution should be determined by the end user.                                                     |
| <b>Storage Buffer</b>      | In PBS, pH 7.4 (0.09% sodium azide)                                                                                    |
| <b>Storage Instruction</b> | Store at 4°C.                                                                                                          |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

## Applications

- Western Blot
- Sandwich ELISA

## Gene Info — EPO

|                      |                      |
|----------------------|----------------------|
| <b>Entrez GeneID</b> | <a href="#">2056</a> |
| <b>Gene Name</b>     | EPO                  |
| <b>Gene Alias</b>    | 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](#)