Mouse EPO Monoclonal Antibody | anti-EPO antibody

mAb anti-Human EPO

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA77944	**Mouse**	**Human. Other species not testedDoes not cross react with other human cytokines tested such as IL-8, IL-16, IL-7, MCP-1, TNF-beta, GM-CSF, M-CSF, IL-1beta, bFGF, and human serum albumin or bovine serum albumin.**	**Western Blot, ELISA**

PRODUCT SYNONYMS

EPO; Monoclonal Antibody; mAb anti-Human EPO; Erythropoietin (EPO); Mouse monoclonal antibody to human erythropoietin (EPO); anti-EPO antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Other species not tested Does not cross react with other human cytokines tested such as IL-8, IL-16, IL-7, MCP-1, TNF-beta, GM-CSF, M-CSF, IL-1beta, bFGF, and human serum albumin or bovine serum albumin.
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	85
Specificity	The selected monoclonal antibody is specifically reactive to human Erythropoietin (EPO)
Purity/Purification	Protein G affinity purified
Form/Format	Lyophilized from a solution in 0.01M PBS, pH 7.2.
Sequence Length	193
Applicable Applications for anti-EPO antibody	WB (Western Blot), ELISA
Target Protein	Human EPO
Immunogen	Purified CHO cell-expressed recombinant human EPO
Myeloma	Sp2/0-Ag14
Light Chain	Kappa
Reconstitution	Double distillated water is recommended to reconstitute the antibody.
Research Area	Hematology
Preparation and Storage	Store at -20 degree C

IMAGES

Application Data
Detect EPO antigen (100ng/well) using mouse anti-human EPO antibody (clone 85) at 1:1000 dilution (1ug/mL).

ADDITIONAL INFORMATION

Related Product Information for anti-EPO antibody	Erythropoietin (EPO), also known as hematopoietin is a glycoprotein cytokine that regulates the red blood cell production from the precursor cells inbone marrow. In fetal and perinatal period, EPO is mainly produced by the perisinusoidal cells in liver. In adults, majority of EPO is produced in the interstitial fibroblasts in kidney. EPO is necessary for red blood cell production, also stimulates angiogenesis and proliferation of smooth muscle cells. Recombinant EPO (rEPO) has been applied for treatment of anaemia. And the investigation into its neuronal protection effect in hypoxic conditions (stroke, myocardial infarction etc.) is ongoing. Some individuals use rEPO to enhance performance in sports.
Product Categories/Family for anti-EPO antibody	Primary Antibodies; Monoclonal Antibodies to Human Cytokines and Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	62240997
NCBI GeneID	2056
NCBI Accession #	NP_000790.2
NCBI GenBank Nucleotide #	NM_000799.2
NCBI Official Full Name	erythropoietin
NCBI Official Synonym Full Names	erythropoietin
NCBI Official Symbol	EPO
NCBI Official Synonym Symbols	EP; MVCD2
NCBI Protein Information	erythropoietin; epoetin
UniProt Protein Name	Erythropoietin
UniProt Gene Name	**EPO**
UniProt Entry Name	EPO_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/epo-antibody-clone-85-western-blot-elisa/77944