Human Erythropoietin R Antibody

Monoclonal Mouse IgG_{2A} Clone # 38407

Catalog Number: MAB3071

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Erythropoietin Receptor (Epo R) in ELISAs. In sandwich immunoassays, no cross-reactivity or interference with recombinant human (rh) Epo, recombinant mouse Epo R, or rhThrombopoietin R was observed.
Source	Monoclonal Mouse IgG_{2A} Clone # 38407
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Erythropoietin R Pro26-Pro250 Accession # P19235
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Human Erythropoietin R Sandwich Immunoassay		**Reagent**
ELISA Capture	2-8 µg/mL	Human Erythropoietin R Antibody (Catalog # MAB3071)
ELISA Detection	0.5-2.0 µg/mL	Human Erythropoietin R Biotinylated Antibody (Catalog # BAM3072)
Standard		Recombinant Human Erythropoietin R (Catalog # 307-ER)

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Epo R is a transmembrane protein expressed on the surface of megakaryocytes, erythroid progenitors, and endothelial cells. It binds Epo and transmits signals that stimulate the proliferation and maturation of bone marrow erythroid precursors into red cells.

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