



Anti-Erythropoietin monoclonal antibody, clone SN1475-21G4 (DCABH-3186)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rat monoclonal to EPO
Antigen Description	Human erythropoietin is member of the EPO/TPO family and encodes a secreted, glycosylated cytokine hormone 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. It is produced by kidney or liver of adult mammals and by liver of fetal or neonatal mammals.
Target	Erythropoietin
Immunogen	Recombinant Mouse EPO.
Isotype	IgG2
Source/Host	Rat
Species Reactivity	Mouse
Clone	SN1475-21G4
Purification	The IgG fraction of culture supernatant was purified by Protein G affinity chromatography and 0.2 µm filtered.
Conjugate	Unconjugated
Applications	ELISA, Neutralising
Format	Liquid
Size	100 µg

Buffer	Constituent: 99% PBS
Preservative	None
Storage	store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	Epo erythropoietin [Mus musculus]
Official Symbol	Epo
Synonyms	EPO; erythropoietin;
Entrez Gene ID	13856
Protein Refseq	NP_031968
UniProt ID	P07321
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; EPO Receptor Signaling, organism-specific biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem;
Function	erythropoietin receptor binding; eukaryotic cell surface binding; hormone activity; protein kinase activator activity;