



Anti-Erythropoietin monoclonal antibody, clone 5H8 (DCABH-11434)

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

PRODUCT INFORMATION

Antigen Description 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.

Target Erythropoietin

Immunogen EPO (NP_000790.1, 28 a.a. ~ 193 a.a) full-length recombinant protein.

Isotype IgG2a

Source/Host Mouse

Species Reactivity Human

Clone 5H8

Conjugate Unconjugated

Applications Western Blot (Transfected lysate); ELISA

Sequence Similarities APPRLICDSRVLERYLLEAKEAENITGCAEHCSLNENITVPDTKVNIFYAWKRMEVGQQA
VEVWQGLALLSEAVLRGQALLVNSSQPWEPLQLHVDKAVSGLRSLTLLRALGAQKEAIS
PPDAASAAPLRTITADTFRKLFRVYSNFLRGKCLKLYTGEACRTGDR

Buffer In ascites fluid

Preservative None

Storage Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	EPO erythropoietin [Homo sapiens]
Official Symbol	EPO
Synonyms	EPO; erythropoietin; EP; epoetin; MVCD2; MGC138142;
Entrez Gene ID	2056
Protein Refseq	NP_000790
UniProt ID	G9JKG7
Chromosome Location	7q21
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; EPO Receptor Signaling, organism-specific biosystem; EPO signaling pathway, organism-specific biosystem; HIF-1-alpha transcription factor network, organism-specific biosystem; HIF-2-alpha transcription factor network, organism-specific biosystem; Hematopoietic cell lineage, organism-specific biosystem;
Function	erythropoietin receptor binding; eukaryotic cell surface binding; hormone activity; protein binding; protein kinase activator activity;