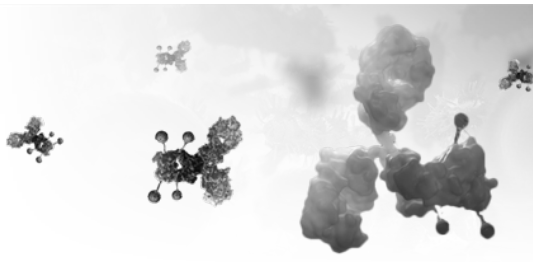

Human EPO peptide (DAG-P1592)

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. [provided by RefSeq, Jul 2008]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	EPO erythropoietin [Homo sapiens (human)]
Official Symbol	EPO
Synonyms	EPO; erythropoietin; EP; MVCD2; epoetin;
Entrez Gene ID	2056
mRNA Refseq	NM_000799.2
Protein Refseq	NP_000790.2
UniProt ID	G9JKG7

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Chromosome Location	7q22
Pathway	Cellular response to hypoxia, organism-specific biosystem; Cellular responses to stress, organism-specific biosystem; 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 signaling pathway, organism-specific biosystem; HIF-1-alpha transcription factor network, organism-specific biosystem; HIF-2-alpha transcript
Function	erythropoietin receptor binding; hormone activity; protein binding; protein kinase activator activity;

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