



# Anti-Erythropoietin monoclonal antibody, clone KT28 (BGN/6B8) (CABT-49120MH)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	This product is specific for erythropoietin (EPO) and binds to an epitope within the first 26 amino acids of the N-terminus of human urinary and human recombinant EPO. EPO is a 30 kDa glycoprotein hormone secreted primarily by the kidney that stimulates bone marrow erythropoiesis in response to hypoxia or anemia. The cDNAs for EPO have been cloned from many species. The mature proteins from the various species are highly conserved, exhibiting greater than 80% sequence identity at the amino acid level.
<b>Specificity</b>	EPO
<b>Target</b>	Erythropoietin
<b>Immunogen</b>	Recombinant human erythropoietin.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	KT28 (BGN/6B8)
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA
<b>Format</b>	Purified IgG - liquid
<b>Size</b>	200 µg
<b>Preservative</b>	0.09% Sodium Azide

**Storage** in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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## GENE INFORMATION

Gene Name	<a href="#">EPO erythropoietin [ Homo sapiens (human) ]</a>
Official Symbol	EPO
Synonyms	EPO; erythropoietin; EP; MVCD2; epoetin;
Entrez Gene ID	<a href="#">2056</a>
Protein Refseq	<a href="#">NP_000790</a>
UniProt ID	P01588
Chromosome Location	7q22
Pathway	Cellular response to hypoxia; Cellular responses to stress; Cytokine-cytokine receptor interaction; EPO Receptor Signaling; EPO signaling pathway; HIF-1 signaling pathway; HIF-1-alpha transcription factor network; HIF-2-alpha transcription factor network;
Function	erythropoietin receptor binding; hormone activity; protein binding; protein kinase activator activity;