

Product datasheet for BM403

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EPO Mouse Monoclonal Antibody [Clone ID: AE7A5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AE7A5
Applications:	WB
Recommended Dilution:	Western blot: Use at ~1 µg/ml to detect 10 ng/lane of Human EPO under <i>reducing</i> and <i>non-reducing conditions</i> .
Reactivity:	Human, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	A 26 amino acid synthetic peptide analogue of Erythropoietin / EPO
Specificity:	This antibody 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.
Formulation:	Phosphate Buffered Saline (PBS), pH 7.2 State: Purified State: Liquid purified Ig fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Dilute only prior to immediate use. Avoid cycles of freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	erythropoietin
Database Link:	Entrez Gene 2056 Human P01588



Background: 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.

Synonyms: Epoetin