



Magic™ Anti-Albumin monoclonal antibody, clone 25F8 (DMAB-L21026)

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

PRODUCT INFORMATION

Product Overview	Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with human serum albumin.
Antigen Description	Albumin is a soluble, monomeric protein which comprises about one-half of the blood serum protein. Albumin functions primarily as a carrier protein for steroids, fatty acids, and thyroid hormones and plays a role in stabilizing extracellular fluid volume. Albumin is a globular unglycosylated serum protein of molecular weight 65,000. Albumin is synthesized in the liver as prealbumin which has an N-terminal peptide that is removed before the nascent protein is released from the rough endoplasmic reticulum. The product, prealbumin, is in turn cleaved in the Golgi vesicles to produce the secreted albumin. [provided by RefSeq, Jul 2008]
Specificity	Antibody recognizes human albumin. Cross-reactivity: AFP < 0.8 %
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	25F8
Purification	Affinity purified, Purity ≥ 95 %
Conjugate	Unconjugated
Applications	ELISA(Det)
Size	1 mg
Buffer	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative

Preservative	0.095 % NaN3
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Storage	4°C
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GENE INFORMATION

Gene Name	ALB albumin [Homosapiens]
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Official Symbol	ALB
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Synonyms	ALB; cell growth inhibiting protein 42; growth-inhibiting protein 20; PRO0883; PRO0903; PRO1341; PRO1708; PRO2044; PRO2619; Serum albumin; Albumin
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Entrez Gene ID	213
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Protein Refseq	NP_000468
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UniProt ID	P02768
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Chromosome Location	4q13.3
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Pathway	Bile acid and bile salt metabolism; FOXA2 and FOXA3 transcription factor networks; Formation of Platelet plug; HDL-mediated lipid transport
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Function	drug binding; DNA binding; antioxidant activity; cell surface binding; chaperone binding; enzyme binding; fatty acid binding; contributes_to oxygen binding; pyridoxal phosphate binding; zinc ion binding; toxin binding
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