



Anti-Albumin monoclonal antibody, clone 16D8 (DMAB1728MH)

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

PRODUCT INFORMATION

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.
Specificity	Human serum albumin. No cross-reactivity with other human proteins tested. Does not react with bovine serum albumin or egg white albumin.
Immunogen	Human Serum Albumin
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	16D8
Purification	>90% pure (SDS-PAGE). Protein A chromatography
Conjugate	Unconjugated
Applications	Recognizes human serum albumin in ELISA. Works in Western blot. Suitable for the quantitative detection of human serum albumin in serum and urine. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded. Centrifuge before opening to ensure complete recovery of vial contents.

Format	Purified, Liquid
Concentration	6.2mg/ml (Sigma protein assay kit)
Size	1 mg
Buffer	PBS, pH 7.4
Preservative	0.1% Sodium Azide
Storage	Store at 2-8°C.

GENE INFORMATION

Gene Name	ALB albumin [Homosapiens]
Official Symbol	ALB
Synonyms	PRO0883; PRO0903; PRO1341; DKFZp779N1935; ALB; serum albumin; OTTHUMP00000160370; OTTHUMP00000196832; OTTHUMP00000220435; OTTHUMP00000220436; OTTHUMP00000220438; OTTHUMP00000220439; growth-inhibiting protein 20; cell growth inhibiting protein 42
Entrez Gene ID	213
Protein Refseq	NP_000468
UniProt ID	P02768
Chromosome Location	4q13.3
Pathway	Bile acid and bile salt metabolism, organism-specific biosystem; FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem; Formation of Platelet plug, organism-specific biosystem; HDL-mediated lipid transport, organism-specific biosystem; Lipid digestion, mobilization, and transport, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Platelet degranulation, organism-specific biosystem; Recycling of bile acids and salts, organism-spe
Function	DNA binding; antioxidant activity; cell surface binding; chaperone binding; copper ion binding; drug binding; fatty acid binding; metal ion binding; contributes_to oxygen binding; protein binding; pyridoxal phosphate binding; toxin binding; zinc ion bindi