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Anti-ALB / Serum Albumin Antibody (clone HSA20)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS18273

Product Information

Application	WB, IHC-P, E
Primary Accession	P02768
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	HSA20
Calculated MW	69367
Concentration (mg/ml)	5.8 mg/ml

Additional Information

Gene ID	213
Alias Symbol	ALB
Other Names	ALB, Albumin (32 AA), Albumin (AA 34), Albumin, Growth-inhibiting protein 20, PRO1341, PRO0883, Serum albumin, PRO0903
Target/Specificity	bovine serum albumin, egg white albumin or human alpha fetoprotein
Reconstitution & Storage	Protein A purified
Precautions	Anti-ALB / Serum Albumin Antibody (clone HSA20) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ALB
Function	Binds water, Ca(2+), Na(+), K(+), fatty acids, hormones, bilirubin and drugs (Probable). Its main function is the regulation of the colloidal osmotic pressure of blood (Probable). Major zinc transporter in plasma, typically binds about 80% of all plasma zinc (PubMed:19021548). Major calcium and magnesium transporter in plasma, binds approximately 45% of circulating calcium and magnesium in plasma (By similarity). Potentially has more than two calcium-binding sites and might additionally bind calcium in a non-specific manner (By similarity). The shared binding site between zinc and calcium at residue Asp-273 suggests a crosstalk between zinc and calcium transport in the blood (By similarity). The rank order of affinity is zinc > calcium > magnesium (By similarity). Binds to the bacterial siderophore enterobactin and inhibits enterobactin-mediated iron uptake of E.coli from

	ferric transferrin, and may thereby limit the utilization of iron and growth of enteric bacteria such as E.coli (PubMed:6234017). Does not prevent iron uptake by the bacterial siderophore aerobactin (PubMed:6234017).
Cellular Location	Secreted.
Tissue Location	Plasma.