

Human Serum Albumin Monoclonal Antibody

Mouse Monoclonal Antibody Catalog # ABV11732

Specification

Human Serum Albumin Monoclonal Antibody - Product Information

Application E
Primary Accession P02768

Reactivity Human
Host Mouse
Clonality Monoclonal
Isotype Mouse IgG
Calculated MW 69367

Human Serum Albumin Monoclonal Antibody - Additional Information

Gene ID 213

Application & Usage ELISA: 1-5 µg/ml.

Alias Symbol ALB

Other Names

HSA, human serum albumin, serum albumin, ALB

AppearanceColorless liquid

Formulation

100 ug (1mg/ml) of antibody in 0.01M Tris-HCl, pH 8.0, 0.15M NaCl, and 0.02% sodium azide.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

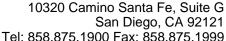
Human Serum Albumin Monoclonal Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Human Serum Albumin Monoclonal Antibody - 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





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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.

Human Serum Albumin Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Human Serum Albumin Monoclonal Antibody - Images

Human Serum Albumin Monoclonal Antibody - Background

Serum albumin, the main protein of plasma, has a good binding capacity for water, Ca2+, Na+, K+, fatty acids, hormones, bilirubin and drugs. Its main function is the regulation of the colloidal osmotic pressure of blood. Major zinc transporter in plasma, typically binds about 80% of all plasma zinc.