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# 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

**Appearance**
Colorless 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:<a href="http://www.uniprot.org/citations/19021548" target="_blank">19021548</a>). 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:<a href="http://www.uniprot.org/citations/6234017" target="_blank">6234017</a>). Does not prevent iron uptake by the bacterial siderophore aerobactin (PubMed:<a href="http://www.uniprot.org/citations/6234017" target="_blank">6234017</a>).

**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
- Immunohistochemistry
- Immunofluorescence
- 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.