

**Anti-MOUSE SERUM ALBUMIN (RABBIT) Antibody**  
**Mouse Serum Albumin Antibody**  
**Catalog # ASR5171**

**Specification**

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**Anti-MOUSE SERUM ALBUMIN (RABBIT) Antibody - Product Information**

Host	Rabbit
Conjugate	Unconjugated
Target Species	Mouse
Reactivity	Mouse
Clonality	Polyclonal
Application	WB, IHC, E, I, LCI
Application Note	Anti-Mouse Serum Albumin antibody has been tested by ELISA and western blot and is assayed against 1.0 µg of Mouse Serum Albumin in a standard ELISA using Peroxidase conjugated Affinity Purified Goat anti-Rabbit IgG [H&L] MX code #611-103-122 and TMB as a substrate for 30 minutes at room temperature.
Physical State	Liquid (sterile filtered)
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Anti-Mouse Serum Albumin Antibody was produced by repeated immunizations with mouse serum albumin.
Preservative	0.01% (w/v) Sodium Azide

**Anti-MOUSE SERUM ALBUMIN (RABBIT) Antibody - Additional Information**

**Gene ID** 11657

**Other Names**  
11657

**Purity**

Mouse Serum Albumin antibody was prepared from monospecific antiserum by immunoaffinity chromatography using purified mouse serum albumin. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum. Analysis by SDS-PAGE was used to determine that this preparation is substantially free of aggregates and shows a banding pattern consistent with purified Rabbit IgG.

**Storage Condition**

Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

**Precautions Note**

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

## Anti-MOUSE SERUM ALBUMIN (RABBIT) Antibody - Protein Information

**Name** Alb

**Synonyms** Alb-1, Alb1

### Function

Binds water, Ca(2+), 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 (By similarity). 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 (By similarity). Does not prevent iron uptake by the bacterial siderophore aerobactin (By similarity).

### Cellular Location

Secreted.

### Tissue Location

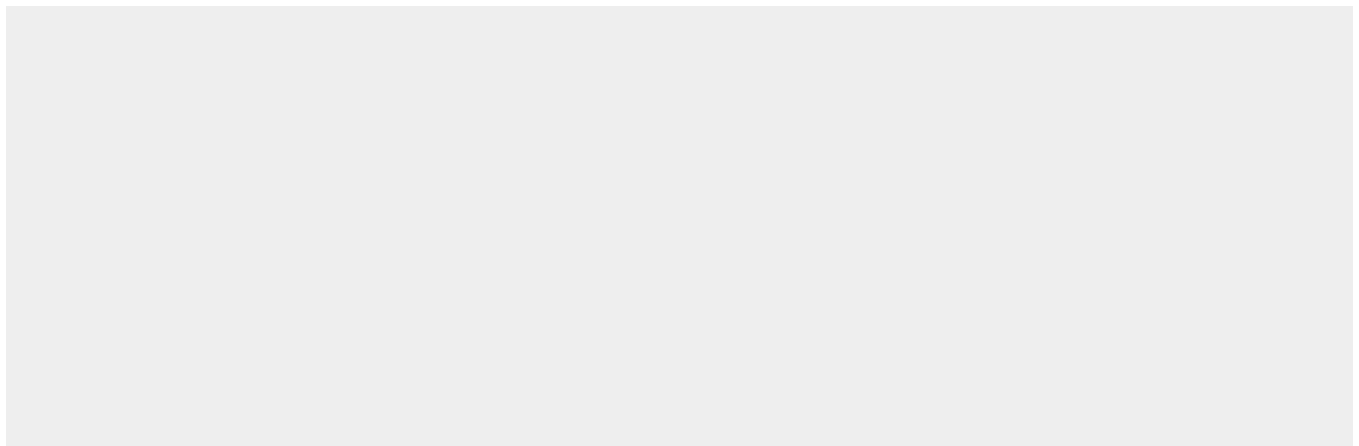
Plasma. Expressed in the granular cells within the cerebellum (PubMed:31112734).

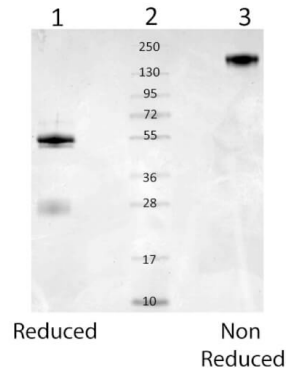
## Anti-MOUSE SERUM ALBUMIN (RABBIT) Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-MOUSE SERUM ALBUMIN (RABBIT) Antibody - Images





SDS-PAGE of rabbit anti-Mouse Serum Albumin. Lane 1: mouse serum albumin reduced. Lane 2: molecular weight. Lane 3: mouse serum albumin non-reduced. Load: 1.0 µg. Predicted/Observed size: Analysis by SDS-PAGE shows a banding pattern consistent with purified Rabbit IgG. Other band(s): none.

### **Anti-MOUSE SERUM ALBUMIN (RABBIT) Antibody - Background**

Anti-Mouse Serum Albumin antibody detects Serum Albumin. Serum albumin is the main protein of plasma. It has a good binding capacity for water, Ca<sup>2+</sup>, Na<sup>+</sup>, K<sup>+</sup>, fatty acids, hormones, bilirubin and drugs. Its main function is the regulation of the colloidal osmotic pressure of blood. ALB is the major zinc transporter in plasma; it typically binds about 80% of all plasma zinc. Mouse serum antibody, BSA antibody, and other albumin antibodies are ideal for investigators involved in Cell Signaling, Neuroscience, and Signal Transduction research.