

**Anti-MOUSE SERUM (GOAT) Antibody**  
**Mouse Serum Antibody**  
**Catalog # ASR3883**

**Specification**

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**Anti-MOUSE SERUM (GOAT) Antibody - Product Information**

Host	Goat
Conjugate	Unconjugated
Target Species	Mouse
Reactivity	Mouse
Clonality	Polyclonal
Application	WB, E, IP, I, LCI
Application Note	Anti-Mouse Serum (Goat) Antibody is suitable for immunoprecipitation, immunodiffusion, conjugation and most immunological methods requiring high titer and specificity. Anti-MOUSE SERUM (Goat) Antibody is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. Specific conditions should be optimized by user.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Mouse serum proteins
Reconstitution Volume	2.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Preservative	0.01% (w/v) Sodium Azide

**Anti-MOUSE SERUM (GOAT) Antibody - Additional Information**

**Gene ID** 11657

**Purity**

This product was prepared from polyspecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-goat serum, multiple precipitin arcs against Mouse Serum.

**Storage Condition**

Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. 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 (GOAT) 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 (GOAT) 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 (GOAT) Antibody - Images**

## **Anti-MOUSE SERUM (GOAT) Antibody - Background**

Anti-Mouse Serum antibody detects mouse serum proteins. Serum proteins are those proteins remaining in portion of plasma after coagulation of blood, during which process the plasma protein fibrinogen is converted to fibrin and remains behind in the clot. Anti-Mouse Serum antibody is ideal for investigators involved in Cell Signaling, cellular biology and Signal Transduction research.