

**Anti-HUMAN SERUM ALBUMIN (RABBIT) Antibody Peroxidase Conjugated**  
**Human Serum Albumin Antibody Peroxidase Conjugated**  
**Catalog # ASR5800****Specification****Anti-HUMAN SERUM ALBUMIN (RABBIT) Antibody Peroxidase Conjugated - Product Information**

Host	Rabbit
Conjugate	Peroxidase (Horseradish)
Target Species	Human
Reactivity	Human
Clonality	Polyclonal
Application	WB, IHC, E, I, LCI
Application Note	Anti-Human Serum Albumin Peroxidase antibody has been tested by ELISA and western blotting.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Anti-Human Serum Albumin Antibody was produced by repeated immunizations with Human Serum Albumin.
Reconstitution Volume	1.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/ml Polyethylene Glycol (PEG-8000)
Preservative	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!

**Anti-HUMAN SERUM ALBUMIN (RABBIT) Antibody Peroxidase Conjugated - Additional Information****Gene ID 213****Other Names**  
213**Purity**

Human Serum Albumin antibody was purified from pooled rabbit sera obtained from rabbits immunized with Human Serum Albumin. Purification was by Protein A Sepharose Fast Flow followed by POROS EP antigen resin affinity purification. The purified antibody was then conjugated to horseradish peroxidase and subsequently purified followed by exhaustive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum, purified human serum albumin IgG, and human 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-HUMAN SERUM ALBUMIN (RABBIT) Antibody Peroxidase Conjugated - 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.

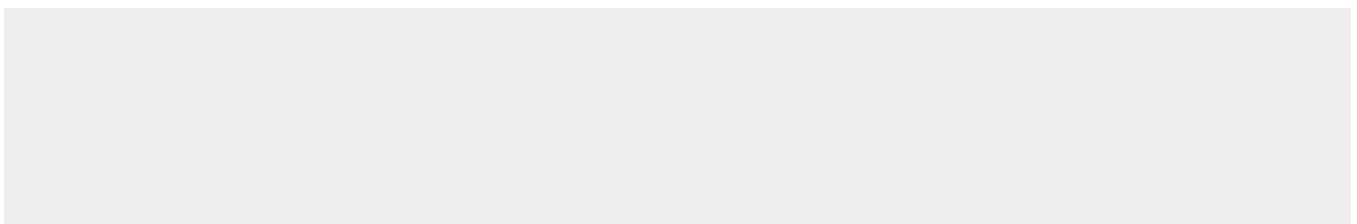
**Tissue Location**

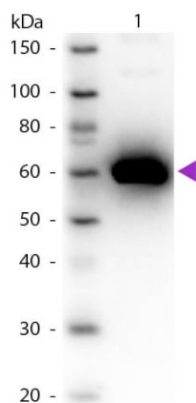
Plasma.

**Anti-HUMAN SERUM ALBUMIN (RABBIT) Antibody Peroxidase Conjugated - 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-HUMAN SERUM ALBUMIN (RABBIT) Antibody Peroxidase Conjugated - Images**



Western blot of Peroxidase conjugated Rabbit Anti-Human Serum Albumin secondary antibody. Lane 1: Human Serum Albumin (HSA). Lane 2: None. Load: 50 ng per lane. Primary antibody: None. Secondary antibody: Peroxidase conjugated Rabbit Anti-Human Serum Albumin secondary antibody at 1:1,000 for 60 min at RT. Block: MB-070 for 30 min at RT. Predicted\Observed size: 66 kDa, 61 kDa for HSA. Other band(s): None.

#### **Anti-HUMAN SERUM ALBUMIN (RABBIT) Antibody Peroxidase Conjugated - Background**

Anti-Human Serum Albumin Peroxidase antibody detects Serum albumin protein. Serum albumin is the main protein of plasma. It has a good binding capacity for water,  $\text{Ca}^{2+}$ ,  $\text{Na}^{+}$ ,  $\text{K}^{+}$ , 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. BSA antibody is ideal for investigators involved in Cell Signaling, Neuroscience and Signal Transduction research.