

ALB / Serum Albumin Antibody (FITC)
Goat Polyclonal Antibody
Catalog # ALS16846**Specification**

ALB / Serum Albumin Antibody (FITC) - Product Information

Application	IHC
Primary Accession	P02768
Other Accession	213
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Calculated MW	69367

ALB / Serum Albumin Antibody (FITC) - Additional Information**Gene ID** 213**Other Names**

ALB, Albumin (32 AA), Albumin (AA 34), Albumin, Growth-inhibiting protein 20, PRO1341, PRO0883, Serum albumin, PRO0903

Reconstitution & Storage

PBS, 0.2% BSA, 0.1% sodium azide. Store at 4°C.

Precautions

ALB / Serum Albumin Antibody (FITC) is for research use only and not for use in diagnostic or therapeutic procedures.

ALB / Serum Albumin Antibody (FITC) - 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](http://www.uniprot.org/citations/19021548)). 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:[6234017](http://www.uniprot.org/citations/6234017)). Does not prevent iron uptake by the bacterial siderophore

aerobactin (PubMed:6234017).

Cellular Location

Secreted.

Tissue Location

Plasma.

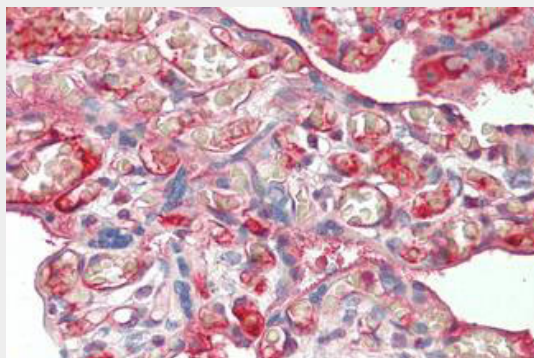
Volume

50 µl

ALB / Serum Albumin Antibody (FITC) - 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](#)

ALB / Serum Albumin Antibody (FITC) - Images

Anti-ALB / Serum Albumin antibody IHC staining of human placenta.

ALB / Serum Albumin Antibody (FITC) - Background

Serum albumin, the main protein of plasma, has a good binding capacity for 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.

ALB / Serum Albumin Antibody (FITC) - References

Lawn R.M.,et al.Nucleic Acids Res. 9:6103-6114(1981).
Dugaiczuk A.,et al.Proc. Natl. Acad. Sci. U.S.A. 79:71-75(1982).
Minghetti P.P.,et al.J. Biol. Chem. 261:6747-6757(1986).
Yang S.,et al.Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases.
Huang M.C.,et al.Submitted (AUG-2002) to the EMBL/GenBank/DDBJ databases.

