# Serum Albumin Monoclonal Antibody(Capture)

**catalog number:** AN001400P

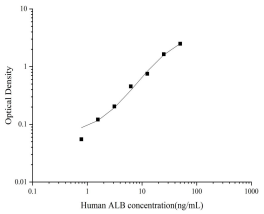
**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

| | |
|---|---|
| **Reactivity** | Human |
| **Immunogen** | Human ALB Native Protein |
| **Host** | Mouse |
| **Isotype** | Mouse IgG1 |
| **Clone** | 1H3 |
| **Purification** | Protein A/G Purification |
| **Conjugation** | Unconjugated |
| **buffer** | Phosphate buffered solution, pH 7.2, containing 0.05% proclin 300. |

| Applications | Recommended Dilution |
|---|---|
| **ELISA Capture** | 2-8 μg/mL |

## Data




Sandwich ELISA-Human ALB Native Protein standard curve.Background subtracted standard curve using Serum Albumin antibody(AN001400P)(Capture),Serum Albumin antibody(AN001410P)(Detector) in sandwich ELISA.The reference range value for Human ALB Native Protein is 0.781-50 ng/mL.

## Preparation & Storage

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|---|---|
| **Storage** | Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. |
| **Shipping** | The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended. |

## Background

Binds water,Ca2+,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.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.

Does not prevent iron uptake by the bacterial siderophore aerobactin

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