

Anti-Serum albumin Antibody (3I761)

Product Details

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|---------------|--------------------|
| Ig Type: | IgG2b |
| Reactivity: | Bovine |
| Conjugation: | Unconjugated |
| Clone: | 3I761 |
| Purification: | Protein G purified |

Applications

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|--------------------|--|
| | Western Blot |
| | -All lanes: Mouse Anti-BSA monoclonal antibody at 1µg/ml |
| Verified Activity: | -Lane 1: Bovine serum Albumin |
| | -Predicted band size : 67kd |
| | -Observed band size : 67kd |
| Application: | ELISA, WB |

Properties

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|----------------------|---|
| Purity: | >95% |
| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping: | Shipping with blue ice. |

Antigen Details

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|------------------|------------------------------|
| Immunogen: | Natural Bovine Serum albumin |
| Antigen Species: | Bovine |
| Gene ID: | 280717 |
| Uniprot ID: | P02769 |
| Biology Area: | Cardiovascular |

Research Background

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. Major calcium and magnesium transporter in plasma, binds approximately 45% of circulating calcium and magnesium in plasma (Probable). Potentially has more than two calcium-binding sites and might additionally bind calcium in a non-specific manner. The shared binding site between zinc and calcium at residue Asp-272 suggests a crosstalk between zinc and calcium transport in the blood (Probable). The rank order of affinity is zinc > calcium > magnesium (Probable). Binds to the bacterial siderophore enterobactin and inhibits enterobactin-mediated iron uptake of E.coli, 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481