

Anti-Albumin Reference Antibody (Numab patent anti-HSA)

Recombinant Antibody Catalog # APR10768

Specification

Anti-Albumin Reference Antibody (Numab patent anti-HSA) - Product Information

Application Primary Accession Reactivity Clonality Isotype

Calculated MW

FC, Kinetics, Animal Model P02768
Human, Mouse
Monoclonal IgG1
150 KDa

Anti-Albumin Reference Antibody (Numab patent anti-HSA) - Additional Information

Target/Specificity
Albumin

Endotoxin

< 0.001EU/ µg,determined by LAL method.

Conjugation Unconjugated

Expression system CHO Cell

Format

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

Anti-Albumin Reference Antibody (Numab patent anti-HSA) - 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). 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). Does not prevent iron uptake by the bacterial siderophore aerobactin (PubMed:6234017).

Cellular Location Secreted.

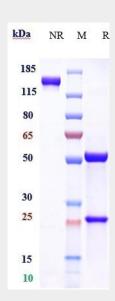
Tissue Location Plasma.

Anti-Albumin Reference Antibody (Numab patent anti-HSA) - Protocols

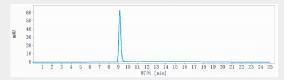
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Albumin Reference Antibody (Numab patent anti-HSA) - Images



Anti-Albumin Reference Antibody (Numab patent anti-HSA) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-Albumin Reference Antibody (Numab patent anti-HSA)is more than 95% ,determined by SEC-HPLC.