# Recombinant Human Serum Albumin/HSA/ALB Monoclonal Antibody

**catalog number: AN300577P**

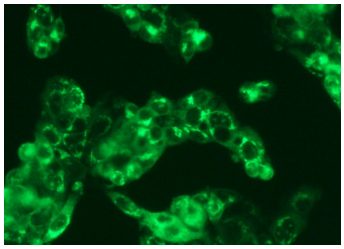
**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

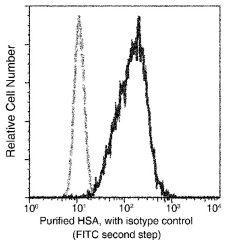
| | |
|---|---|
| **Reactivity** | Human |
| **Immunogen** | Human Serum Albumin/HSA |
| **Host** | Rabbit |
| **Isotype** | IgG |
| **Clone** | 11A4 |
| **Purification** | Protein A |
| **Buffer** | 0.2 μm filtered solution in PBS |

| Applications | Recommended Dilution |
|---|---|
| **WB** | 1:500-1:2000 |
| **ICC/IF** | 1:20-1:100 |
| **FCM** | 1:25-1:100 |
| **IP** | 0.5-2 μL/mg of lysate |

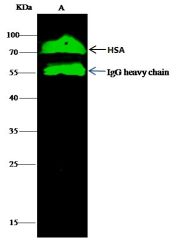
## Data



Immunofluorescence analysis of Human HSA in HepG2 cells. Cells were fixed with 4% PFA, permeabilzed with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human HSA monoclonal antibody (1:60) at 37°C 1 hour. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to cytoplasm.



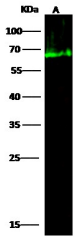

Flow cytometric analysis of Human HSA expression on HepG2 cells. The cells were treated according to manufacturer's manual, stained with purified anti-Human HSA, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.




Immunoprecipitation analysis using 2 μL anti-HAS Monoclonal Antibody and 60 μg of Immunomagnetic beads Protein G. Western blot was performed from the immunoprecipitate using HAS Monoclonal Antibody at a dilution of 1:100. Lane A:0.5 mg HepG2 Whole Cell Lysate

**Observed-MW:68 kDa**

**Calculated-MW:68 kDa**




Western Blot with HSA Monoclonal Antibody at dilution of 1:500 dilution. Lane A: HepG2 Whole Cell Lysate, Lysates/proteins at 30 μg per lane.

**Observed-MW:68 kDa**

**Calculated-MW:68 kDa**



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## Preparation & Storage

| | |
|---|---|
| **Storage** | This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles. |
| **Shipping** | Ice bag |

## Background

Albumin is a soluble, monomeric protein which comprises about one-half of the blood serum protein. Albumin functions primarily as a carrier protein for steroids, fatty acids, and thyroid hormones and plays a role in stabilizing extracellular fluid volume. Albumin is a globular unglycosylated serum protein of molecular weight 65,000. Albumin is synthesized in the liver as preproalbumin which has an N-terminal peptide that is removed before the nascent protein is released from the rough endoplasmic reticulum. The product, proalbumin, is in turn cleaved in the Golgi vesicles to produce the secreted albumin.


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