

Product Specification Sheet

Mouse Serum Albumin (MSA, Endotoxins, fatty acid, and virus tested)

<input type="checkbox"/> Cat#ALB14-N-10	Mouse serum albumin (MSA) antigen grade (>97%, low endotoxin, fatty acid-free, mouse viruses tested)	SIZE: 10 mg
<input type="checkbox"/> Cat#ALB14-N-100	Mouse serum albumin (MSA) antigen grade (>97%, low endotoxin, fatty acid-free, mouse viruses tested)	SIZE: 100mg

Albumin is the protein of the highest concentration in serum or plasma. Albumin transports many small molecules in the blood (for example, bilirubin, calcium, progesterone, and drugs). It is also of prime importance in maintaining the osmotic pressure of the blood. Albumin is synthesized by the liver. Albumin performs many functions including maintaining the "osmotic pressure" that causes fluid to remain within the blood stream instead of leaking out into the tissues. Liver disease, kidney disease, and malnutrition are the major causes of low albumin. A diseased liver produces insufficient albumin. Diseased kidneys sometimes lose large amounts of albumin into the urine faster than the liver can produce it (this is termed nephrotic syndrome). Plasma albumin concentration is an important indicator of nutritional status, and low concentrations pre-surgery increase the risk of post-operative wound dehiscence, seroma formation and infection. Albumin levels are also dependant on the state of hydration of the body. A person that is dehydrated will have an artificially low albumin level. This returns to normal when the dehydration is corrected. Albumin fluctuates so widely because it is very sensitive to changes in hydration of the body.

Source of Antigen

Mice sera used for the preparation of #ALB14-N-10 have been screened for some common mouse viruses and found to be negative for Lymphocytic Choriomeningitis (LCMV), Ectromelia Virus (mousepox) and Epizootic Hemorrhagic Fever Virus (EHFV). The raw material was also kept at pH <5.00 and heated to >65% for at least 3 hrs to inactivate infectious agents. The material has been processed to avoid exposure to other biologicals.

Mouse serum albumin (**MSA**) was purified by salt fractionation and chromatographical methods to (>97%, ~67 Kda). Purified protein is free from IgG or other contaminating serum proteins. Purified protein was also stripped of fatty acids.

Mouse serum albumin is supplied in PBS, pH 7.4 in powder form. Reconstitute the protein in water or other buffers at desired concentration. Store powder at 4oC and reconstituted solution at -20oC. Avoid repeated freeze and thaw.

Albumin protein Form	97% by agarose electrophoresis white to tan powder
Moisture	<5%
Protein Content	>97%
pH of 1% solution	7.2± 0.2
IgG concn	Not detected
Endotoxin conc.	Determined by clot method 1.2 EU/mg Protein

Stability: 2 months at 2-4oC.

Recommended Usage

Mouse serum albumin can be used a carrier protein, molecular weight standards, antigen or ELISA standards.

*This product is for In vitro research use only.

Related material available from ADI

Catalog#	Prod Description
6300	Mouse Albumin ELISA Kit, 96 tests, Quantitative
6400	Rat Albumin ELISA Kit, 96 tests, Quantitative
8000	Bovine Albumin (BSA) ELISA Kit, 96 tests, Quantitative
80400-100	Bovine Serum Albumin (BSA, protease-free) for western (makes ~2-L buffer @5% BSA)
80400-500	Bovine Serum Albumin (BSA, protease-free) for western (makes ~10-L buffer @5% BSA)
8100	Bovine Albumin (BSA) ELISA Kit, 96 tests, Quantitative (for measuring residual BSA in protein/antibody samples not recommended for measuring BSA in serum)
9000	Pig Albumin ELISA Kit, 96 tests, Quantitative
ALB11-A	Anti-Mouse albumin IgG aff pure
ALB11-BTN	Anti-Mouse albumin IgG-Biotin Conjugate
ALB11-FITC	Anti-Mouse albumin IgG-FITC Conjugate
ALB12-N-1	Purified Mouse serum albumin protein (>96% pure)
ALB13-N-25	Purified Mouse serum albumin protein (>99%, Fatty acid and low endotoxin)
ALB14-N-10	Mouse serum albumin (MSA) (>97%, low endotoxin, low fatty acid, mouse viruses tested)
ALBB11-M	Monoclonal Anti-Bovine Serum Albumin (BSA) protein, ascites
ALBB12-A	Anti-Bovine Serum Albumin (BSA) protein IgG, aff pure
ALBC15-A	Anti-Chicken Serum Albumin protein IgG, aff pure
ALBC15-C	Chicken Serum Albumin protein control for Western blot
ALBC15-N-1	Chicken Serum Albumin protein purified
ALBC15-N-10	Chicken Serum Albumin protein purified
ALBC15-S	Anti-Chicken Serum Albumin protein antiserum
ALBGP18-S	Anti-G. pig Serum Albumin protein antiserum
ALBH12-A	Anti-Human Plasma Albumin IgG
ALBH13-A	Anti-Human albumin IgG aff pure
ALBH13-C	Purified Human serum albumin protein control for Western blot
ALBH13-FITC	Anti-Human albumin IgG-FITC Conjugate
ALBH14-M	Monoclonal Anti-Human serum albumin (HSA) IgG1, ascites
ALBH16-R-10	Recombinant (yeast) purified human serum albumin
ALBH25-N-10	Human serum albumin (HSA), purified (>98%)
ALBHS-15-N	Purified Hamster (syrian) serum albumin protein pure
ALBHS17-S	Anti-Hamster Serum Albumin protein antiserum
ALBMK21-S	Anti-Monkey (Rhesus) Serum Albumin protein
ALBMK22-M	Monoclonal Anti-Monkey (Rhesus) Serum Albumin,
ALBMK25-N-1	Monkey (Rhesus) Serum Albumin protein, purified
ALBMK35-N-1	Monkey (Cynomologus) Serum Albumin protein,
ALBR12-A	Anti-rat albumin IgG aff pure
ALBR12-BTN	Anti-rat albumin IgG, biotinylated
ALBR12-HRP	Anti-rat albumin IgG-HRP Conjugate
ALBR12-N-1	Purified rat serum albumin protein (RSA; >99% pure)
ALBR13-N-10	Purified rat serum albumin protein (RSA, >99%, globulin free)
ALBR14-N-10	Purified rat serum albumin protein (RSA, >99%, fatty acid and globulin free)
ALBSH20-C	Purified Sheep serum albumin protein control for Western blot
ALBSH20-N-10	Purified Sheep serum albumin protein (antigen grade >99% pure)
ALB14-N-10-Mouse-Albumin-Endotoxin-Virus-Tested	150825A