

## Albumin Antibody / Bovine Serum Albumin [clone SPM376] (V3049)

Catalog No.	Formulation	Size
V3049-100UG	0.2 mg/ml in 1X PBS with 0.05% sodium azide	100 ug
V3049-20UG	0.2 mg/ml in 1X PBS with 0.05% sodium azide	20 ug
V3049SAF-100UG	1 mg/ml in 1X PBS; sodium azide free	100 ug

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<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Cow
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	SPM376
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P02769 (Cow)
<b>Localization</b>	Cytoplasmic, extracellular (secreted)
<b>Applications</b>	ELISA : 1-5ug/ml
<b>Limitations</b>	This Albumin antibody is available for research use only.



### Description

Reacts with a protein of ~66kDa, identified as bovine serum albumin (BSA). It is a high affinity antibody and can be used for detection of traces of BSA. Bovine serum albumin (BSA) is an abundant plasma protein in cows that is important for

maintaining osmotic pressure in blood plasma for proper distribution of body fluids between intravascular compartments and body tissues. BSA is a common buffer component for immunoglobulin type assays due to good solubility characteristics for water, Ca<sup>2+</sup>, Na<sup>+</sup>, K<sup>+</sup>, fatty acids, hormones and bilirubin. BSA makes up about half of the protein in plasma and represents the most stable and soluble protein in the plasma. It is a suitable reagent for laboratories developing immunoassays, mostly due to its availability, solubility and the numerous functional groups present for coupling. The BSA component contains several lysines that are capable of reacting with conjugation sites of linkers, making it applicable as a carrier protein for antigenic compounds.

## **Application Notes**

Optimal dilution of the Albumin antibody should be determined by the researcher.

## **Immunogen**

Purified bovine serum albumin was used as the immunogen for the Albumin antibody.

## **Storage**

Store the Albumin antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).