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

Bulk quote request

Availability	1-3 business days
Species Reactivity	Cow
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SPM376
Purity	Protein G affinity chromatography
UniProt	P02769 (Cow)
Localization	Cytoplasmic, extracellular (secreted)
Applications	ELISA: 1-5ug/ml
Limitations	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, Ca2+, Na+, K+, 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 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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