BSA Antibody / Bovine Serum Albumin [clone SABN1-1] (V7183)

Catalog No.	Formulation	Size
V7183-100UG	0.2 mg/ml in 1X PBS with 0.05% sodium azide	100 ug
V7183-20UG	0.2 mg/ml in 1X PBS with 0.05% sodium azide	20 ug
V7183SAF-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	SABN1-1
Purity	Protein G affinity chromatography
UniProt	P02769
Applications	ELISA: 1-5ug/ml
Limitations	This BSA antibody is available for research use only.



Description

BSA antibody detects bovine serum albumin, a highly abundant serum protein derived from cattle. BSA is commonly used in laboratories as a stabilizer, blocking agent, and carrier protein due to its solubility, binding capacity, and relative purity. Because of its widespread use in biochemical and immunological assays, antibodies that detect BSA are valuable for monitoring protein contamination, validating immunization specificity, and ensuring assay accuracy. Researchers across

molecular biology, immunology, and biochemistry rely on BSA antibody to assess the presence of this ubiquitous laboratory protein.

BSA is a globular protein with a molecular weight of approximately 66 kDa. It contains multiple binding sites for fatty acids, small molecules, and ions, which explain its utility as a stabilizing component in buffers and reagents. Its structural stability and ability to carry hydrophobic molecules have made it indispensable in experimental protocols such as ELISA, Western blotting, and cell culture. While useful, its ubiquity also makes it a potential source of background signal when included in reagents or media, highlighting the importance of antibodies directed against BSA for detection and quality control.

The BSA antibody clone SABN1-1 provides specific and reliable recognition of bovine serum albumin. Clone SABN1-1 has been employed in peer-reviewed research to monitor BSA in purified protein preparations, to validate experimental controls, and to ensure that immune responses in animal models are not inadvertently directed against the carrier protein rather than the intended antigen. Its consistent performance makes it a practical and necessary tool in diverse experimental settings.

Research using clone SABN1-1 has clarified how BSA can alter immune readouts if not accounted for in assay design. For example, immunizations that employ BSA as a carrier protein can produce BSA-reactive antibodies, potentially complicating interpretation of immune responses. Detecting and quantifying BSA with this antibody helps rule out misleading signals and confirm that observed responses are antigen-specific. In addition, laboratories use BSA detection to assess contamination in protein preparations, particularly in contexts where purity is critical.

NSJ Bioreagents provides this BSA antibody to support research requiring detection and monitoring of bovine serum albumin in immunology, protein chemistry, and molecular biology. Alternate names include bovine serum albumin antibody, serum albumin antibody, fraction V protein antibody, bovine carrier protein antibody, and albumin stabilizer protein antibody.

Application Notes

Titering of the BSA antibody may be required for optimal performance.

Immunogen

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

Storage

Store the BSA antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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