

Datasheet for 101-4101**Bovine Serum Antibody****Overview**

Description:	Anti-Bovine Serum (RABBIT) Antibody - 101-4101
Item No.:	101-4101
Size:	2 mL
Applications:	Purification
Reactivity:	Bovine
Host Species:	Rabbit

Product Details

Background:	Anti-Bovine serum antibody detects bovine serum proteins. Serum proteins are those proteins remaining in portion of plasma after coagulation of blood, during which process the plasma protein fibrinogen is converted to fibrin and remains behind in the clot. Anti-Bovine serum antibody is ideal for investigators involved in Cell Signaling, cellular biology and Signal Transduction research.
Synonyms:	Bovine serum antibody, Rabbit and bovine serum, cow plasma, Anti-bovine serum antibody produced in rabbit, anti-cow serum
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Reactivity:	Bovine
Immunogen Type:	Native Protein
Immunogen:	Anti-Bovine serum antibody was produced by repeated immunizations with Bovine serum proteins
Purity/Specificity:	Anti-Bovine serum antibody was prepared from polyspecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in multiple precipitin arcs against Bovine Serum.

Relevant Links: • [101-4101 SDS](#)

Application Details

Suggested Applications:	Purification (Based on references)
Application Note:	Anti-Bovine serum antibody is suitable for western blotting, IP and for ELISA. Researchers should determine optimal titers for applications that are not stated below.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User Optimized
IP:	User Optimized
WB:	User Optimized

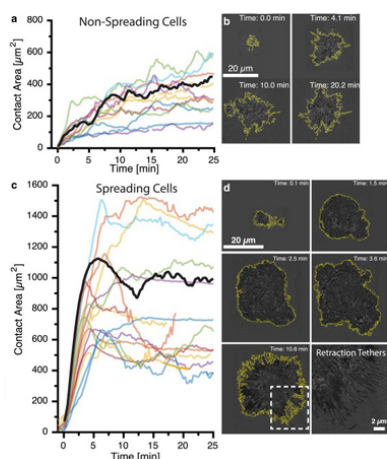
Formulation

Physical State:	Lyophilized
Concentration:	90 mg/mL by Refractometry
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None
Reconstitution Volume:	2.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunofluorescence Microscopy

J774A.1 macrophages spreading on surfaces opsonized with 15 μg/mL of anti-BSA serum. Each colored time trace depicts the spreading behavior of an individual cell. (a) Example area-time traces for 13 nonspreading cells (complete data set not shown). (b) Reflection interference contrast microscopy (RICM) images of cell-surface contact for a cell corresponding to the black trace in (a). (c) Example traces for 13 spreading cells (complete data set not shown). Spreading is characterized by a rapid increase in contact area within the first 5 min of FP. After the spreading phase, the cells often contract. (d) RICM images of a spreading and contracting cell (black trace in c). Lower right: the enlargement shows retraction tethers that formed during the contraction phase. Note: the yellow line drawn around the cells corresponds to a hull line around the binary contact map determined using the intensity threshold algorithm. Fig 1. PMID: 28002746

References

- Kovari et al. Frustrated Phagocytic Spreading of J774A-1 Macrophages Ends in Myosin II-Dependent Contraction. *Biophysical Journal* (2016)

Disclaimer

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