

General Bovine Serum Albumin (BSA) CLIA Kit | BSA clia kit

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CATALOG #
AAA140919

REACTIVITY
General

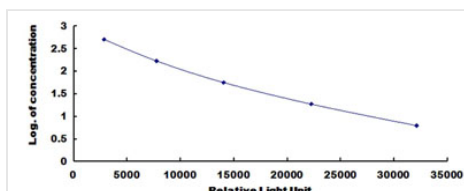
PRODUCT SYNONYMS

Bovine Serum Albumin (BSA); Bovine Serum Albumin (BSA) CLIA Kit; Bovine Albumin; Fraction V; BSA clia kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of Bovine Serum Albumin (BSA). No significant cross-reactivity or interference between Bovine Serum Albumin (BSA) and analogues was observed.
Sequence Length	607
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	117.19-30,000ng/mL
Sensitivity	53.44ng/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Bovine Serum Albumin (BSA) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Bovine Serum Albumin (BSA) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BSA clia kit	The microplate provided in this kit has been pre-coated with a monoclonal antibody specific to Bovine Serum Albumin (BSA). A competitive inhibition reaction is launched between biotin labeled Bovine Serum Albumin (BSA) and unlabeled Bovine Serum Albumin (BSA) (Standards or samples) with the pre-coated antibody specific to Bovine Serum Albumin (BSA). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Bovine Serum Albumin (BSA) in the sample. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is reverse proportional to the Bovine Serum Albumin (BSA) level in the sample or standard.
Product Categories/Family for BSA clia kit	Immune molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	3336842
NCBI GeneID	280717
UniProt Accession #	P02769; O02787; P04277; Q3SZR2; A5PJX3
Molecular Weight	69,293 Da
NCBI Official Full Name	bovine serum albumin
NCBI Official Symbol	ALB
NCBI Protein Information	serum albumin
UniProt Protein Name	Serum albumin
UniProt Gene Name	ALB
UniProt Entry Name	ALBU_BOVIN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/general-clia-kits/bovine-serum-albumin-bsa/140919>