

General Bovine Serum Albumin (BSA) ELISA Kit | BSA elisa kit

Bovine Serum Albumin (BSA) ELISA Kit

CATALOG #
AAA20054

REACTIVITY
General

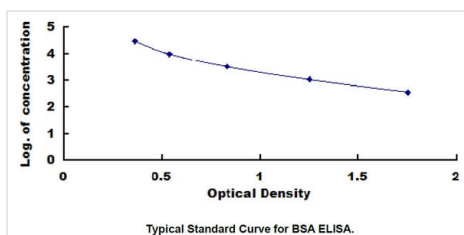
PRODUCT SYNONYMS

Bovine Serum Albumin (BSA); Bovine Serum Albumin (BSA) ELISA Kit; Bovine Albumin; Fraction V; BSA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of BSA. No significant cross-reactivity or interference between BSA and analogues was observed.
Sequence Length	607
Assay Type	Quantitative Competitive
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	370.4-30,000ng/mL
Sensitivity	< 161.2ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level BSA were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level BSA were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to BSA has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled BSA and unlabeled BSA (Standards or samples) with the pre-coated antibody specific to 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 BSA in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of BSA in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of BSA in serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for BSA elisa kit	Immune molecule
References	Methionine and choline supply alter transmethylation, transsulfuration, and cytidine 5"-diphosphocholine pathways to different extents in isolated primary liver cells from dairy cows; J Dairy Sci; 2018 Dec;101(12):11384-11395.; PMID: 30316602; Y F Zhou; Department of Animal Nutrition and Feed Science, College of Animal Science and Technology, Huazhong Agriculture University, Wuhan 430070, Hubei, China;

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-elisa-kits/bovine-serum-albumin-bsa/20054>