

Bovine Serum Amyloid A (SAA) ELISA Kit | SAA elisa kit

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CATALOG #
AAA20757

REACTIVITY
Bovine

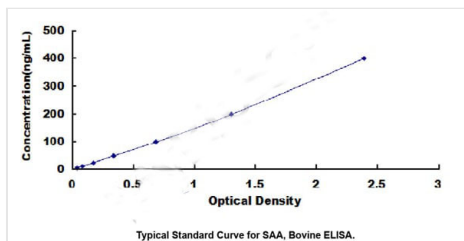
PRODUCT SYNONYMS

Serum Amyloid A (SAA); Bovine Serum Amyloid A (SAA) ELISA Kit; SA-A; SAA1; PIG4; TP53I4; Amyloid protein A; Amyloid fibril protein AA; Serum amyloid A-1 protein; SAA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of SAA. No significant cross-reactivity or interference between SAA and analogues was observed.
Sequence Length	129
Assay Type	Quantitative Sandwich
Samples	Bovine serum, plasma and other biological fluids
Detection Range	6.25-400ng/mL
Sensitivity	< 2.62ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SAA 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 SAA 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 SAA elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to SAA. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to SAA. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain SAA, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of SAA in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SAA in bovine serum, plasma and other biological fluids.
Product Categories/Family for SAA elisa kit	Infection immunity; Kidney biomarker; Hepatology
References	Effects of Saccharomyces cerevisiae boulardii (CNCM I-1079) on feed intake, blood parameters, and production during early lactation; J Dairy Sci; 2023 Jan;106(1):187-201.; PMID: 36357210; R L Hiltz; Department of Agricultural, Food and Nutritional Science, University of Alberta, Edmonton, Canada T6G 2R3.

NCBI AND UNIPROT INFORMATION

NCBI GI #	93352563
NCBI GeneID	678660
NCBI Accession #	NP_001035288.1
NCBI GenBank Nucleotide #	NM_001040198.1
NCBI Official Full Name	serum amyloid A protein
NCBI Official Symbol	SAA1
NCBI Official Synonym Symbols	SAA
NCBI Protein Information	serum amyloid A protein

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/bovine-ovine-elisa-kits/serum-amyloid-a-saa/20757>