

Canine SAA (Serum amyloid A) ELISA Kit | SAA elisa kit

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CATALOG #
AAA248350

REACTIVITY
Canine

PRODUCT SYNONYMS

SAA (Serum amyloid A); Canine SAA (Serum amyloid A) ELISA Kit; SAA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
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	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.625-40ng/ml
Sensitivity	0.375ng/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<8%
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<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a SAA ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A: not applicable)

X	ng/ml	0	0.625	1.25	2.5	5	10	20	40
Y	OD450	0.018	0.181	0.29	0.574	0.906	1.362	1.971	2.165

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SAA elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti- SAA antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-SAA antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the SAA amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of SAA can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	548887
NCBI GeneID	403585
UniProt Accession #	P19708
Molecular Weight	14,339 Da
NCBI Official Full Name	Serum amyloid A protein
NCBI Official Symbol	SAA1
NCBI Official Synonym Symbols	SAA
NCBI Protein Information	serum amyloid A1
UniProt Protein Name	Serum amyloid A protein
UniProt Gene Name	SAA1
UniProt Synonym Gene Names	SAA

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://www.aaabiotech.com/canine-elisa-kits/saa-serum-amyloid-a/248350>