

Canine S-adenosyl-L-methionine ELISA Kit | SAM elisa kit

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CATALOG #
AAA95781

REACTIVITY
Canine

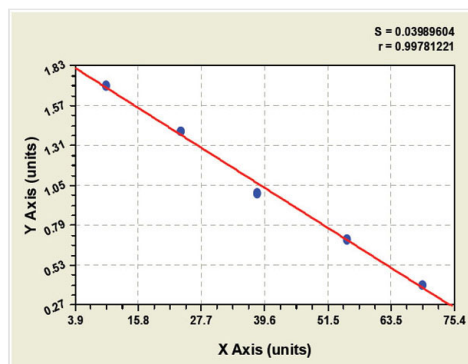
PRODUCT SYNONYMS

S-adenosyl-L-methionine; Canine S-adenosyl-L-methionine ELISA Kit; SAM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This SAM ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine SAM. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SAM elisa kit

Principle of the Assay: SAM ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SAM antibody and an SAM-HRP conjugate. The assay sample and buffer are incubated together with SAM-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SAM concentration since SAM from samples and SAM-HRP conjugate compete for the anti-SAM antibody binding site. Since the number of sites is limited, as more sites are occupied by SAM from the sample, fewer sites are left to bind SAM-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SAM concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	523653143
NCBI Accession #	WP_020787021.1
NCBI GenBank Nucleotide #	WP_020787021.1
Molecular Weight	39,097 Da
NCBI Official Full Name	S-adenosyl-L-methionine
UniProt Protein Name	S-adenosyl-L-methionine
UniProt Entry Name	S7QY86_9MYCO

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/sam-canine-elisa-kits/s-adenosyl-l-methionine/95781>