

Mouse SAP ELISA Kit | APCS elisa kit

Mouse SAP ELISA Kit

CATALOG # AAA76930	REACTIVITY Mouse
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PRODUCT SYNONYMS

SAP; Mouse SAP ELISA Kit; Mouse SAP; APCS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Immunoperoxidase Assay for Determination of SAP in Mouse Samples
Assay Type	Sandwich
Intended Uses	The SAP test kits are a highly sensitive two-site enzyme linked immunoassay (ELISA) for measuring SAP in biological samples of mice.
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for APCS elisa kit	Principle of the Assay: The principle of the double antibody sandwich ELISA is represented in Figure 1. In this assay the SAP present in samples reacts with the anti-SAP antibodies which have been adsorbed to the surface of polystyrene microtitre wells. After the removal of unbound proteins by washing, anti-SAP antibodies conjugated with horseradish peroxidase (HRP), are added. These enzyme-labeled antibodies form complexes with the previously bound SAP. Following another washing step, the enzyme bound to the immunosorbent is assayed by the addition of a chromogenic substrate, 3,3',5,5'-tetramethylbenzidine (TMB). The quantity of bound enzyme varies directly with the concentration of SAP in the sample tested; thus, the absorbance, at 450 nm, is a measure of the concentration of SAP in the test sample. The quantity of SAP in the test sample can be interpolated from the standard curve constructed from the standards, and corrected for sample dilution. Background: Mouse serum amyloid P (SAP) is a major acute phase protein that circulates as an ~230 kDa glycoprotein. It is composed of 10 identical subunits arranged as two cyclic pentameric discs and contains ~10% carbohydrate. Basal levels of SAP may vary significantly in different inbred mouse strains but SAP is a major acute phase protein in all strains. During acute chemical, physical or inflammatory stimulus, its concentration can increase 50-100 fold within 24-48 hours. Changes can readily be detected in 4-6 hours. Measurement of the concentration of SAP is indicative of the extent and severity of an inflammatory stimulus and can be used to assess various modalities of treatment.
Product Categories/Family for APCS elisa kit	ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	77735883
NCBI GeneID	514488
NCBI Accession #	NP_001029638.1
NCBI GenBank Nucleotide #	NM_001034466.1
UniProt Accession #	Q3T004

Molecular Weight	25,183 Da
NCBI Official Full Name	serum amyloid P-component
NCBI Official Symbol	APCS
NCBI Official Synonym Symbols	MGC127839
NCBI Protein Information	serum amyloid P-component; SAP
UniProt Protein Name	Serum amyloid P-component
UniProt Gene Name	APCS
UniProt Entry Name	SAMP_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://www.aaabiotech.com/mouse-elisa-kits/sap/76930>