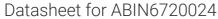
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# **APCS ELISA Kit**



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Quantity:	1 kit
Target:	APCS
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	1.56 ng/mL - 100 ng/mL
Minimum Detection Limit:	1.56 ng/mL
Application:	ELISA

## **Product Details**

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	Synonyms: 9.5S alpha-1-glycoprotein, APCS, SAMP_HUMAN, SAP, Serum amyloid P-component(1-203)

Background: Amyloid P component, serum(SAP), also known as PTX2 or APCS, is the identical serum form of amyloid P component(AP), a 25 kDa pentameric protein first identified as the pentagonal constituent of in vivo pathological deposits called "amyloid". It belongs to the pentraxins family, characterised by calcium dependent ligand binding and distinctive flattened beta-jellyroll structure similar to that of the legume lectins. This gene is mapped to 1q23.2. The binding of the encoded protein to proteins in the pathological amyloid cross-beta fold suggests its possible role as a chaperone. This protein is also thought to control the degradation of chromatin. It has been demonstrated that this protein binds to apoptotic cells at an early stage, which raises the possibility that it is involved in dealing with apoptotic cells in vivo.

Gene Name: APCS

Production: Natural and recombinant mouse SAP. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: Q21-D224

## **Target Details**

Target:	APCS
Alternative Name:	SAP - PTX2 (APCS Products)
Gene ID:	20219
NCBI Accession:	NP_035448
UniProt:	P12246

### **Application Details**

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Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 100 ng/mL, 50 ng/mL, 25 ng/mL, 1.25 ng/mL, 6.25 ng/mL, 3.12 ng/mL, 1.56 ng/mL mouse SAP standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. We recommend that each mouse SAP standard solution and each sample is measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 1.56 ng/mL-100 ng/mL

Sample Volume: 100 µL

Plate: Pre-coated

Restrictions: For Research Use only

### Handling

Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at

room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.