

Human SAP/PTX2 ELISA Kit | APCS elisa kit

Human SAP/PTX2 PicoKine ELISA Kit

CATALOG #
AAA46783

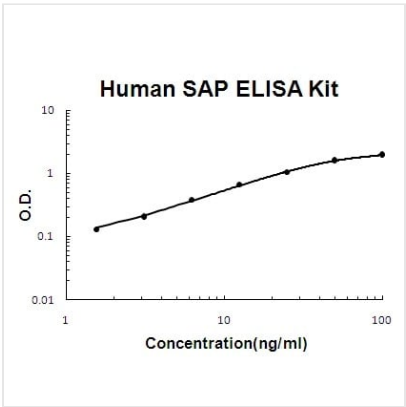
REACTIVITY
Human

PRODUCT SYNONYMS

SAP/PTX2; Human SAP/PTX2 PicoKine ELISA Kit; 9.5S alpha 1 glycoprotein; 9.5S alpha-1-glycoprotein; APCS; P02743; PTX2; Ptx2; Sap; SAMP; SAP; Serum Amyloid P; Serum amyloid Pcomponent; Serum amyloid P-component; Serum amyloid P-component(1-203); APCS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human SAP
Sequence Length	223
Assay Range	1.56ng/ml-100ng/ml
Sensitivity	<10pg/ml
Anticoagulant	heparin or EDTA
TMB incubation time	25-30
Immunogen	E Coli, H20-V223
Sample Data	Concentration(ng/ml): 0 1.56 3.12 6.25 12.5 25 50 100 O.D.: 0.049 0.127 0.204 0.378 0.657 1.038 1.587 1.963
Intra/Inter Assay Precision	Sample: 1 2 3 1 2 3 n: 16 16 16 24 24 24 Mean(ng/ml): 2.14 8.51 33.18 2.88 10.26 42.16 Standard Deviation: 0.111 0.442 1.957 0.204 0.707 2.529 CV(%): 5.2 5.2 5.9 7.1 6.9 6.0
Assay Procedure Step 1	Aliquot 0.1ml per well of the 100ng/ml, 50ng/ml, 25ng/ml, 12.5ng/ml, 6.25ng/ml, 3.12ng/ml, 1.56ng/ml human SAP standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum or plasma (heparin, EDTA) to each empty well. We recommend that each human SAP standard solution and each sample is measured in duplicate.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Human SAP/PTX2 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for APCS elisa kit	For quantitative detection of human SAP in cell culture supernates, cell lysates, tissue homogenates, serum and plasma (heparin, EDTA). Background: Amyloid P component, serum (SAP), also known as PTX2 or APCS, is the identical serum form of amyloid P component (AP), a 25kDa 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. Principle: Human SAP ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from Mouse specific for SAP has been precoated onto 96-well plates. Standards (Expression system for standard: E Coli, Immunogen sequence: H20-V223) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for SAP is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substRate TMB was 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 Human SAP amount of sample captured in plate.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502133
NCBI GeneID	325
NCBI Accession #	NP_001630.1
NCBI GenBank Nucleotide #	NM_001639.3
UniProt Accession #	P02743
Molecular Weight	25,387 Da
NCBI Official Full Name	serum amyloid P-component
NCBI Official Synonym Full Names	amyloid P component, serum
NCBI Official Symbol	APCS
NCBI Official Synonym Symbols	SAP; PTX2; HEL-S-92n
NCBI Protein Information	serum amyloid P-component
UniProt Protein Name	Serum amyloid P-component

UniProt Gene Name	APCS
UniProt Synonym Gene Names	PTX2; SAP

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/apcs-human-elisa-kits/sap-ptx2/46783>