

Rat SAP/PTX2 ELISA Kit | APCS elisa kit

Rat SAP/PTX2 PicoKine ELISA Kit

CATALOG #
AAA45911

REACTIVITY
Rat

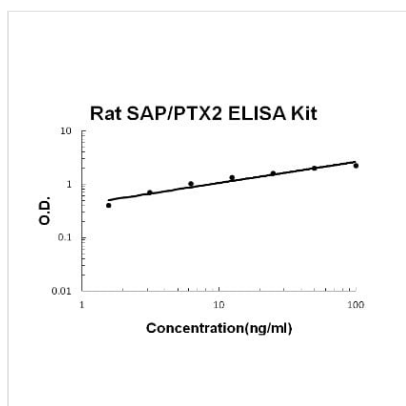
PRODUCT SYNONYMS

SAP/PTX2; Rat SAP/PTX2 PicoKine ELISA Kit; Serum amyloid P-component; amyloid P component; serum; 9.5S alpha-1-glycoprotein; APCS; SAMP_HUMAN; SAP; Serum amyloid P-component(1-203); APCS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant rat SAP
Sequence Length	228
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	1.56ng/ml-100ng/ml
Sensitivity	< 50pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Rat SAP/PTX2 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for APCS elisa kit	Principle of the assay: Rat 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(NSO, Q21-S228) 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 rat SAP amount of sample captured in plate. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	3183550
NCBI GeneID	29339
UniProt Accession #	P23680; Q63539
Molecular Weight	26,176 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
NCBI Protein Information	serum amyloid P-component
UniProt Protein Name	Serum amyloid P-component
UniProt Gene Name	Apcs
UniProt Synonym Gene Names	Ptx2; Sap; SAP
UniProt Entry Name	SAMP_RAT

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.