

Mouse SAP/PTX2 ELISA Kit | SAP/PTX2 elisa kit

Mouse SAP/PTX2 PicoKine Fast ELISA Kit

CATALOG #
AAA125358

REACTIVITY
Mouse

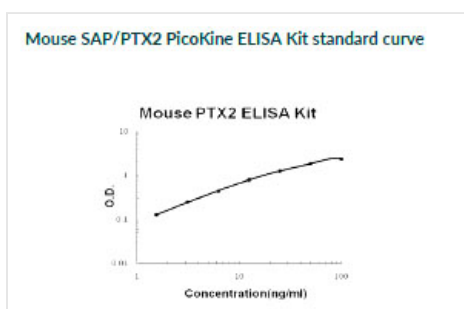
PRODUCT SYNONYMS

SAP/PTX2; Mouse SAP/PTX2 PicoKine Fast ELISA Kit; mouse SAP; Serum amyloid P-component; SAP; Apcs; Ptx2; Sap; SAP/PTX2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Apcs
Sequence Length	224
Samples	Cell culture supernates, cell lysates, serum and plasma (heparin, EDTA)
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 accross 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. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SAP/PTX2 elisa kit	Principle of the Assay: The Boster Picokine™ Mouse Apcs Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Apcs with a 96-well strip plate that is pre-coated with antibody specific for Apcs. The detection antibody is a biotinylated antibody specific for Apcs. The capture antibody is monoclonal antibody from rat, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse Apcs with immunogen: Expression system for standard: NSO; Immunogen sequence: Q21-D224. The kit is analytically validated with ready to use reagents. To measure Mouse Apcs, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Mouse Apcs in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Apcs in the sample.!!Background/Introduction: 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 #	134198
UniProt Accession #	P12246
NCBI Official Full Name	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_MOUSE

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.