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www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for KOA0705

Mouse SAP - PTX2 ELISA Kit

Overview

Description:	Mouse SAP/PTX2 AccuSignal ELISA Kit - KOA0705
Item No.:	KOA0705
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	1.56 ng/ml - 100 ng/ml

Product Details

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, characterized 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.
Synonyms:	9.5S alpha-1-glycoprotein, APCS, SAMP_HUMAN, SAP, Serum amyloid P-component(1-203)
Detection Kit Type:	ELISA Kit
Detection Range:	1.56 ng/ml - 100 ng/ml
Sensitivity:	<50 pg/ml

Target Details

Gene Name:	APCS
Reactivity:	Mouse
Immunogen:	Expression system for standard: NSO; Immunogen sequence: Q21-D224
Purity/Specificity:	Natural and recombinant mouse SAP. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- UniProtKB - P12246
- NCBI - NP_035448.2
- GeneID - 20219
- KOA0705 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 100ng/ml, 50ng/ml, 25ng/ml, 1.25ng/ml, 6.25ng/ml, 3.12ng/ml, 1.56ng/ml mouse 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 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1.56ng/ml-100ng/ml
Other:	DOE: 10/25/19 at 2-8°C 04/24/20 at -20°C

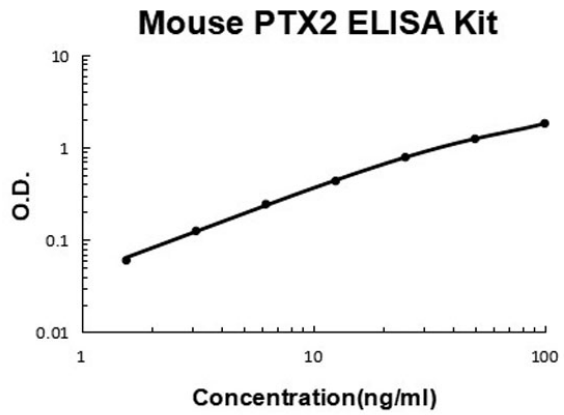
Formulation

Concentration:	1 Kit
Anticoagulant:	Heparin Sodium

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	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.
Expiration:	See kit insert for complete instructions.

Images



ELISA
Mouse SAP/PTX2 ELISA Kit standard curve.

Disclaimer

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