Human Serine Carboxypeptidase 1 ELISA Kit | SCPEP1 elisa kit

Human Serine Carboxypeptidase 1 (SCPEP1) (Sandwich ELISA) ELISA Kit

CATALOG #	REACTIVITY
AAA189982	**Human**

PRODUCT SYNONYMS

Serine Carboxypeptidase 1; Human Serine Carboxypeptidase 1 (SCPEP1) (Sandwich ELISA) ELISA Kit; HSCP1; RISC; Retinoid Inducible Serine Carboxypeptidase; ELISA Kit for Serine Carboxypeptidase 1 (SCPEP1); SCPEP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SCPEP1. No significant cross-reactivity or interference between SCPEP1 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.78-50ng/mL
Sensitivity	< 0.29ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SCPEP1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level SCPEP1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SCPEP1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to SCPEP1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to SCPEP1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain SCPEP1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of SCPEP1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SCPEP1 in human tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for SCPEP1 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	11055992
NCBI GeneID	59342
NCBI Accession #	NP_067639
NCBI GenBank Nucleotide #	NM_021626
UniProt Accession #	Q9HB40; Q96A94; Q9H3F0
Molecular Weight	32,957 Da
NCBI Official Full Name	retinoid-inducible serine carboxypeptidase
NCBI Official Synonym Full Names	serine carboxypeptidase 1
NCBI Official Symbol	SCPEP1
NCBI Official Synonym Symbols	RISC; HSCP1
NCBI Protein Information	retinoid-inducible serine carboxypeptidase; retinoid inducible serine carboxypeptidase; serine carboxypeptidase 1 precursor protein
UniProt Protein Name	Retinoid-inducible serine carboxypeptidase
UniProt Gene Name	**SCPEP1**
UniProt Synonym Gene Names	RISC; SCP1
UniProt Entry Name	RISC_HUMAN

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/scpep1-human-elisa-kits/serine-carboxypeptidase-1/189982