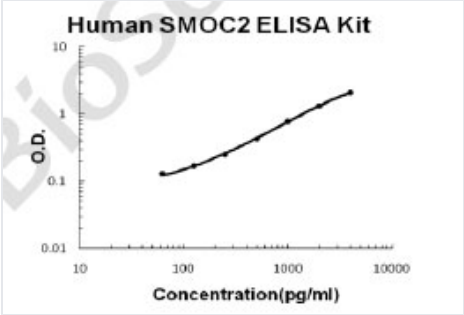
SMOC2 ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	SMOC2, ELISA Kit
Full Product Name	Human SMOC2 PicoKine ELISA Kit
Product Gene Name	SMOC2 elisa kit
Product Synonym Names	Human SMOC2
Species Reactivity	Human
Samples	Cell Culture Supernates, Serum And Plasma(Heparin)
Detection Range	0.312ng/ml-20ng/ml
Sensitivity	<0.1ng/ml
Specificity	Natural and recombinant Human SEZ6L
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
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
Production Time	Due to severe delay and raw materials shortage, production time may takes between 5-8 weeks.
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for SMOC2 elisa kit	Principle of the Assay: The Picokine Human SEZ6L Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human SEZ6L with a 96-well strip plate that is pre-coated with antibody specific for SEZ6L. The detection antibody is a biotinylated antibody specific for SEZ6L. The capture antibody is A monoclonal antibody from mouse, the detection antibody is a biotinylated detection polyclonal antibody from goat. The kit contains recombinant Human SEZ6L with immunogen: Expression system for standard: NSO, Immunogen sequence: L29-I1024. The kit is analytically validated with ready to use reagents. To measure Human SEZ6L, 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 Human SEZ6L 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 Human SEZ6L in the sample!!Background/Introduction: Seizure 6-like protein is a protein that in humans is encoded by the SEZ6L gene. This gene is mapped to 22q12.1.
Other Notes	Small volumes of SMOC2 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SMOC2 purchase	MBS1751582 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the SMOC2, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing SMOC2. The ELISA analytical biochemical technique of the MBS1751582 kit is based on SMOC2 antibody-SMOC2 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect SMOC2 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, SMOC2. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of SMOC2 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SMOC2. It may not necessarily be applicable to this product.

NCBI GI #	262050673
NCBI GeneID	64094
NCBI Accession #	NP_001159884.1
UniProt Related Accession #	Q9H3U7
GenBank Nucleotide #	NM_001166412.1
NCBI Official Full Name	SPARC-related modular calcium-binding protein 2 isoform 2
NCBI Official Synonym Full Names	SPARC related modular calcium binding 2
NCBI Official Symbol	SMOC2
NCBI Official Synonym Symbols	DTDP1; SMAP2; MST117; MSTP117; MSTP140; bA37D8.1; bA270C4A.1; dJ421D16.1
Protein Family	SPARC-related modular calcium-binding protein
NCBI Protein Information	SPARC-related modular calcium-binding protein 2
NCBI Summary for SMOC2	This gene encodes a member of the SPARC family (secreted protein acidic and rich in cysteine/osteonectin/BM-40), which are highly expressed during embryogenesis and wound healing. The gene product is a matricellular protein which promotes matrix assembly and can stimulate endothelial cell proliferation and migration, as well as angiogenic activity. Associated with pulmonary function, this secretory gene product contains a Kazal domain, two thymoglobulin type-1 domains, and two EF-hand calcium-binding domains. The encoded protein may serve as a target for controlling angiogenesis in tumor growth and myocardial ischemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]
Research Articles on SMOC2	**1.** SMOC2 was highly expressed in both peritoneal and endometrioma lesions. Considering that the genes studied participate either directly or indirectly in cellular processes that can lead to cell migration, angiogenesis, and inappropriate invasion, it is possible that the deregulation of these genes caused the development and maintenance of ectopic tissue.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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