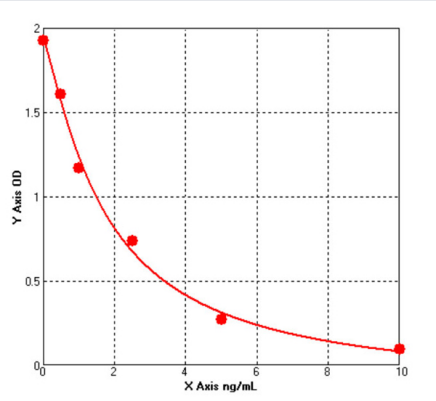
Caprin-1 (CAPRIN1) ELISA Kit for Monkey

PRODUCT OVERVIEW

Product Name	Caprin-1 (CAPRIN1), ELISA Kit
Full Product Name	Monkey Caprin-1 (CAPRIN1) ELISA Kit
Product Gene Name	CAPRIN1 elisa kit
Species Reactivity	Monkey
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Specificity	This assay has high sensitivity and excellent specificity for detection of CAPRIN1. No significant cross-reactivity or interference between CAPRIN1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CAPRIN1 and all the analogues, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store all reagents at 2-8 degree C.
Molecular Weight	76,862 Da
OMIM	601178
Sample Preparation	We suggest pre-experimenting with neat (undiluted) samples, 1:2 or 1:4 dilutions. Please avoid diluting your samples more than 1:10 as it would exceed the dilution limit set for this kit. If the expected concentration of the target is beyond the detection range of the kit, please contact our technical support team
Intended Uses	This Caprin-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey Caprin-1. This ELISA kit for research use only, not for therapeutic applications!
Product Categories/Family for CAPRIN1 elisa kit	Cell Biology
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for CAPRIN1 elisa kit	Principle of the Assay: CAPRIN1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CAPRIN1 antibody and an CAPRIN1-HRP conjugate. The assay sample and buffer are incubated together with CAPRIN1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CAPRIN1 concentration since CAPRIN1 from samples and CAPRIN1-HRP conjugate compete for the anti-CAPRIN1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CAPRIN1 from the sample, fewer sites are left to bind CAPRIN1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CAPRIN1 concentration in each sample is interpolated from this standard curve. Intended Uses: This CAPRIN1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey CAPRIN1. This ELISA kit for research use only, not for therapeutic or test applications!
Other Notes	Small volumes of CAPRIN1 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 CAPRIN1 purchase	MBS7208634 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Caprin-1 (CAPRIN1) 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 CAPRIN1. The ELISA analytical biochemical technique of the MBS7208634 kit is based on CAPRIN1 antibody-CAPRIN1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CAPRIN1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CAPRIN1. 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 CAPRIN1 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CAPRIN1. It may not necessarily be applicable to this product.

NCBI GI #	42734503
NCBI GeneID	4076
NCBI Accession #	NP_976240.1
UniProt Secondary Accession #	Q15074; Q6IMN4; Q6IMN7; Q9BV09; A6NMY7; D3DR06
UniProt Related Accession #	Q14444
GenBank Nucleotide #	NM_203364.2
NCBI Official Full Name	caprin-1 isoform 2
NCBI Official Synonym Full Names	cell cycle associated protein 1
NCBI Official Symbol	CAPRIN1
NCBI Official Synonym Symbols	M11S1; GPIAP1; RNG105; GPIP137; GRIP137; p137GPI
UniProt Protein Name	Caprin-1
UniProt Synonym Protein Names	Cell cycle-associated protein 1; Cytoplasmic activation- and proliferation-associated protein 1; GPI-anchored membrane protein 1; GPI-anchored protein p137; GPI-p137; p137GPI; Membrane component chromosome 11 surface marker 1; RNA granule protein 105
Protein Family	Caprin
UniProt Gene Name	CAPRIN1
UniProt Synonym Gene Names	GPIAP1; GPIP137; M11S1; RNG105; GPI-p137; p137GPI
UniProt Entry Name	CAPR1_HUMAN
NCBI Protein Information	caprin-1; GPI-p137; caprin 1; RNA granule protein 105; GPI-anchored protein p137; GPI-anchored membrane protein 1; cell cycle-associated protein 1; activation/proliferation-associated protein 1; membrane component chromosome 11 surface marker 1; membrane component, chromosome 11, surface marker 1; cytoplasmic activation/proliferation-associated protein-1; cytoplasmic activation- and proliferation-associated protein 1

UniProt Comments for CAPRIN1	CAPRIN1: May regulate the transport and translation of mRNAs of proteins involved in synaptic plasticity in neurons and cell proliferation and migration in multiple cell types. Belongs to the caprin family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: RNA-binding; Cell surface Chromosomal Location of Human Ortholog: 11p13 Cellular Component: membrane; integral to plasma membrane; stress granule; dendrite; cytoplasm; cytosol Molecular Function: RNA binding Biological Process: negative regulation of translation; positive regulation of dendrite morphogenesis
Research Articles on CAPRIN1	**1.** Cyr61/Caprin-1 co-expression was associated with worse survival.
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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