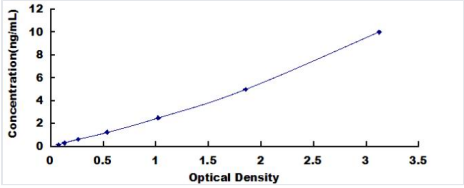
Coxsackie and Adenovirus Receptor Like Membrane (CLMP) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Coxsackie And Adenovirus Receptor Like Membrane Protein (CLMP), ELISA Kit
Full Product Name	Human Coxsackie And Adenovirus Receptor Like Membrane Protein (CLMP) ELISA Kit
Product Gene Name	CLMP elisa kit
Product Synonym Names	ACAM; ASAM; Adipocyte Adhesion Molecule; Adipocyte-Specific Adhesion Molecule; CXADR Like Membrane Protein
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, Plasma, Tissue Homogenates or Other Biological Fluids.
Detection Range	0.156-10ng/mL
Sensitivity	0.058ng/mL
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.
Molecular Weight	41,281 Da
OMIM	611693
3D Structure	ModBase 3D Structure for Q9H6B4
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for CLMP elisa kit	Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CLMP. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CLMP. 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 CLMP, 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 CLMP in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of CLMP 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 CLMP purchase	MBS458421 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Coxsackie And Adenovirus Receptor Like Membrane Protein (CLMP) 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 CLMP. The ELISA analytical biochemical technique of the MBS458421 kit is based on CLMP antibody-CLMP antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CLMP antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CLMP. 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 CLMP elisa kit

ADDITIONAL DETAILS

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

NCBI GI #	13376115
NCBI GeneID	79827
NCBI Accession #	NP_079045.1
UniProt Primary Accession #	Q9H6B4
UniProt Related Accession #	Q9H6B4
GenBank Nucleotide #	NM_024769.3
NCBI Official Full Name	CXADR-like membrane protein
NCBI Official Synonym Full Names	CXADR like membrane protein
NCBI Official Symbol	CLMP
NCBI Official Synonym Symbols	ACAM; ASAM; CSBM; CSBS
UniProt Protein Name	CXADR-like membrane protein
UniProt Synonym Protein Names	Adipocyte adhesion molecule; Coxsackie- and adenovirus receptor-like membrane protein; CAR-like membrane protein
Protein Family	CXADR-like membrane protein
UniProt Gene Name	CLMP
UniProt Synonym Gene Names	ACAM; ASAM; CAR-like membrane protein
NCBI Protein Information	CXADR-like membrane protein
NCBI Summary for CLMP	This gene encodes a type I transmembrane protein that is localized to junctional complexes between endothelial and epithelial cells and may have a role in cell-cell adhesion. Expression of this gene in white adipose tissue is implicated in adipocyte maturation and development of obesity. This gene is also essential for normal intestinal development and mutations in the gene are associated with congenital short bowel syndrome. [provided by RefSeq, Aug 2015]
UniProt Comments for CLMP	May be involved in the cell-cell adhesion. May play a role in adipocyte differentiation and development of obesity. Is required for normal small intestine development.
Research Articles on CLMP	**1.** We describe a newborn presenting CSBS intestinal malrotation and chronic intestinal pseudo-obstruction syndrome (CIPS), compound heterozygous for two previously unreported heterozygous mutations in Coxsackie and adenovirus receptor-like membrane protein (CLMP) gene. We identified two heterozygous mutations in CLMP, one in intron 1 (c.28+1G>C) from the father, the other on exon 4 (c502C>T, p.R168X) from the mother.
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