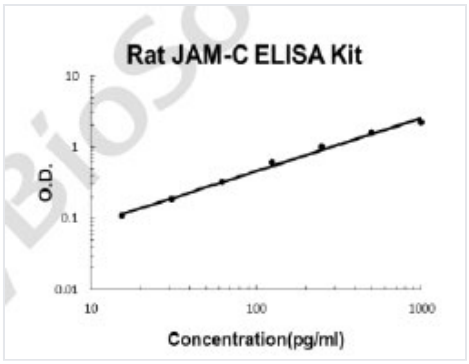
JAM-C ELISA Kit for Rat

PRODUCT OVERVIEW

Product Name	JAM-C, ELISA Kit
Full Product Name	Rat JAM-C PicoKine ELISA Kit
Product Gene Name	JAM-C elisa kit
Product Synonym Names	Rat JAM-C
Species Reactivity	Rat
Samples	Cell Culture Supernates, Serum And Plasma (Heparin, Edta, Citrate)
Detection Range	0.78ng/ml-50ng/ml
Sensitivity	<0.05ng/ml
Specificity	Natural and recombinant Rat Il6st
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 JAM-C elisa kit	Principle of the Assay: The Picokine Rat Il6st Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat Il6st with a 96-well strip plate that is pre-coated with antibody specific for Il6st. The detection antibody is a biotinylated antibody specific for Il6st. The capture antibody is A monoclonal antibody from mouse, the detection antibody is a biotinylated detection polyclonal antibody from goat. The kit contains recombinant Rat Il6st with immunogen: Expression system for standard: NSO, Immunogen sequence: Q23-E618. The kit is analytically validated with ready to use reagents. To measure Rat Il6st, 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 Rat Il6st 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 Rat Il6st in the sample!!Background/Introduction: GP130(Glycoprotein 130) also known as IL6ST or CD130, is a transmembrane protein which is the founding member of the class of all cytokine receptors. The GP130 gene is mapped on 5q11.2. Gp130 showed an apparent molecular mass of 130 kD by SDS-PAGE. Gp130 is involved in the formation of high-affinity IL6-binding sites and in IL6 signal transduction. Sgp130 has a role in modulating signals transduced by membranebound gp130. Gp130 is an important part of many different types of signaling complexes. Gp130 molecules with mutations in either of these segments could not transduce a growth signal.
Other Notes	Small volumes of JAM-C 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 JAM-C purchase	MBS1751654 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the JAM-C, 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 JAM-C. The ELISA analytical biochemical technique of the MBS1751654 kit is based on JAM-C antibody-JAM-C antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect JAM-C antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, JAM-C. 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 JAM-C elisa kit

ADDITIONAL DETAILS

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

NCBI GI #	328927057
NCBI GeneID	83700
NCBI Accession #	NP_001192258.1
UniProt Related Accession #	Q9BX67
GenBank Nucleotide #	NM_001205329.1
NCBI Official Full Name	junctional adhesion molecule C isoform 2
NCBI Official Synonym Full Names	junctional adhesion molecule 3
NCBI Official Symbol	JAM3
NCBI Official Synonym Symbols	JAMC; JAM-2; JAM-3; JAM-C
Protein Family	Junctional adhesion molecule
NCBI Protein Information	junctional adhesion molecule C
NCBI Summary for JAM-C	Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. The protein encoded by this immunoglobulin superfamily gene member is localized in the tight junctions between high endothelial cells. Unlike other proteins in this family, the this protein is unable to adhere to leukocyte cell lines and only forms weak homotypic interactions. The encoded protein is a member of the junctional adhesion molecule protein family and acts as a receptor for another member of this family. A mutation in an intron of this gene is associated with hemorrhagic destruction of the brain, subependymal calcification, and congenital cataracts. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Apr 2011]
Research Articles on JAM-C	**1.** LPS mediates intercellular tight junction destruction among TECs and RhoT1/SMAD-4/JAM-3 is a pivotal pathway to mediate the phenomenon.
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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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