

Mouse JAM-C/JAM3 ELISA Kit | JAM-C/JAM3 elisa kit

Mouse JAM-C/JAM3 PicoKine ELISA Kit

CATALOG #
AAA125069

REACTIVITY
Mouse

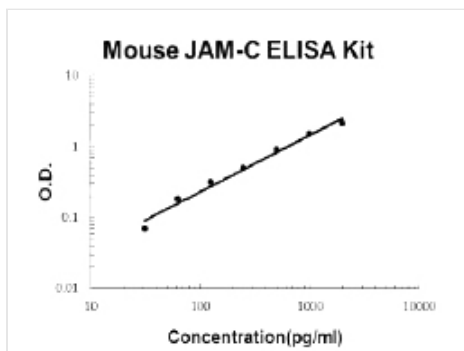
PRODUCT SYNONYMS

JAM-C/JAM3; Mouse JAM-C/JAM3 PicoKine ELISA Kit; Mouse JAM-C/JAM3; JAM-C/JAM3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse IL6
Sequence Length	259
Samples	Cell Culture Supernates, Serum And Plasma(Heparin, Edta, Citrate)
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<1pg/ml
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
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for JAM-C/JAM3 elisa kit	Principle of the Assay: The Picokine Mouse IL6 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse IL6 with a 96-well strip plate that is pre-coated with antibody specific for IL6. The detection antibody is a biotinylated antibody specific for IL6. The capture antibody is monoclonal antibody from rat, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse IL6 with immunogen: Expression system for standard: E.coli; Immunogen sequence: F25-T211. The kit is analytically validated with ready to use reagents. To measure Mouse IL6, 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 Mouse IL6 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 Mouse IL6 in the sample!!Background/Introduction: The human interferon-beta 2 gene(IFNB2) product is identical to that for the B-cell stimulation factor-2(BSF-2), the hybridoma growth factor(HGF)("interleukin-6"), and the hepatocyte stimulating factor(HSF). Proteins derived from this gene mediate the plasma protein response to tissue injury(acute-phase response) and regulate the growth and differentiation of both B and T cells. Interleukin-6(IL6) has come to be regarded as a potential osteoporotic factor because it has stimulatory effects on cells of the osteoclast lineage, and, thus, may play a role in the pathogenesis of bone loss associated with estrogen deficiency. IL-6 has many roles essential to the regulation of the immune response, hematopoiesis, and bone resorption. It is involved not only in the hepatic acute phase response but also in adipose tissue metabolism, lipoprotein lipase activity, and hepatic triglyceride secretion. Overproduction of IL-6, a proinflammatory cytokine, is associated with a spectrum of agerelated conditions including cardiovascular disease, osteoporosis, arthritis, type 2 diabetes, certain cancers, periodontal disease, frailty, and functional decline. BSF-2 is a novel interleukin consisting of 184 amino acids. The standard product used in this kit is recombinant IL-6, consisting of 188 amino acids with the molecular mass of 21.8kDa.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	328927057
NCBI GeneID	83700
NCBI Accession #	NP_001192258.1
NCBI 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
NCBI Protein Information	junctional adhesion molecule C

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.