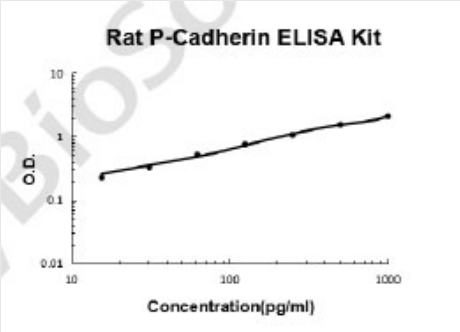
P-Cadherin (CDH3) ELISA Kit for Rat

PRODUCT OVERVIEW

Product Name	P-Cadherin (CDH3), ELISA Kit
Full Product Name	Rat P-Cadherin PicoKine ELISA Kit
Product Gene Name	CDH3 elisa kit
Product Synonym Names	Rat P-Cadherin
Species Reactivity	Rat
Samples	Cell Culture Supernates, Cell Lysates, Serum And Plasma (Heparin, Edta)
Detection Range	<1pg/ml
Sensitivity	31.2pg/ml-2000pg/ml
Specificity	Natural and recombinant Rat CCL20
Inter-assay Precision	Inter-Assay Precision (Precision across 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
3D Structure	ModBase 3D Structure for P22223
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 CDH3 elisa kit	Principle of the Assay: The Picokine Rat CCL20 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat CCL20 with a 96-well strip plate that is pre-coated with antibody specific for CCL20. The detection antibody is a biotinylated antibody specific for CCL20. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Rat CCL20 with immunogen: Expression system for standard: E.coli; Immunogen sequence: S27-M96. The kit is analytically validated with ready to use reagents. To measure Rat CCL20, 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 proportional to Rat CCL20 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 CCL20 in the sample!!Background/Introduction: Macrophage Inflammatory Protein 3alpha(MIP3alpha), also called Chemokine, cc motif, ligand 20(CCL20). The MIP-3alpha/CCL20 gene was cloned and sequenced, revealing a four exon, three intron structure, and was localized by FISH analysis to 2q35-q36. MIP3alpha is predominantly expressed in lymph nodes, appendix, PBL, fetal liver, fetal lung and several cell lines. MIP3alpha/CCL20 and its receptor CCR6 are markedly upregulated in psoriasis, and they may play a role in the recruitment of T cells to lesional psoriatic skin. And Alanine MIP-3alpha and Serine MIP-3alpha, the two forms of MIP3alpha, that differ by one amino acid at the predicted signal peptide cleavage site. Both of them were chemically synthesized and tested for biological activity. And both flu antigen plus IL-2-activated CD4(+) and CD8(+) T lymphoblasts and cord blood-derived dendritic cells responded to Ser and Ala MIP-3alpha.
Other Notes	Small volumes of CDH3 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 CDH3 purchase	MBS1751557 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the P-Cadherin (CDH3) 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 CDH3. The ELISA analytical biochemical technique of the MBS1751557 kit is based on CDH3 antibody-CDH3 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CDH3 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CDH3. 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 CDH3 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDH3. It may not necessarily be applicable to this product.

NCBI GI #	2950172
NCBI GeneID	1001
NCBI Accession #	CAA65093.1
UniProt Primary Accession #	P22223
UniProt Related Accession #	P22223
NCBI Official Full Name	P-cadherin, partial
NCBI Official Synonym Full Names	cadherin 3
NCBI Official Symbol	CDH3
NCBI Official Synonym Symbols	CDHP; HJMD; PCAD
Protein Family	Protocadherin
NCBI Protein Information	cadherin-3
NCBI Summary for CDH3	This gene encodes a classical cadherin of the cadherin superfamily. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature glycoprotein. This calcium-dependent cell-cell adhesion protein is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. This gene is located in a gene cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. In addition, aberrant expression of this protein is observed in cervical adenocarcinomas. Mutations in this gene are associated with hypotrichosis with juvenile macular dystrophy and ectodermal dysplasia, ectrodactyly, and macular dystrophy syndrome (EEMS). [provided by RefSeq, Nov 2015]
Research Articles on CDH3	**1.** the evaluation of P-cadherin expression in lymph node metastases is an important predictor of disease outcome in breast cancer axillary lymph node metastases
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