

Rat CES3 ELISA Kit | CES3 elisa kit

Rat CES3 PicoKine ELISA Kit

CATALOG #
AAA125059

REACTIVITY
Rat

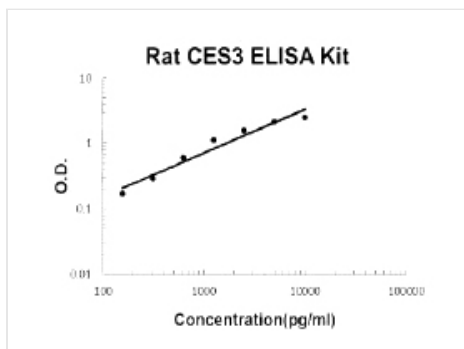
PRODUCT SYNONYMS

CES3; Rat CES3 PicoKine ELISA Kit; Rat CES3; CES3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant Rat Cdh3
Sequence Length	571
Samples	Cell Culture Supernates And Serum
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<5pg/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 CES3 elisa kit	Principle of the Assay: The Picokine Rat Cdh3 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat Cdh3 with a 96-well strip plate that is pre-coated with antibody specific for Cdh3. The detection antibody is a biotinylated antibody specific for Cdh3. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Rat Cdh3 with immunogen: Expression system for standard: NSO, Immunogen sequence: E100-G647. The kit is analytically validated with ready to use reagents. To measure Rat Cdh3, 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 Cdh3 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 Cdh3 in the sample!!Background/Introduction: Cadherins are calcium-dependent cell-cell adhesion molecules that mediate cell-cell binding in a homophilic manner. They play an important role in the growth and development of cells via the mechanisms of control of tissue architecture and the maintenance of tissue integrity. Cadherin expression is regulated spatially as well as temporally. Cadherins are thought to play an important role in development and maintenance of tissues through selective cell-cell adhesion activity and may be involved also in the invasion and metastasis of malignant tumors. Cadherin regulates dendritic spine morphogenesis. A cadherin gene cluster is mapped to a region of chromosome 5 subject to frequent allelic loss in carcinoma. The standard product used in this kit is recombinant P-Cadherin with the molecular mass of 120-130Kda after glycosylation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33563374
NCBI GeneID	23491
NCBI Accession #	NP_079198.2
NCBI GenBank Nucleotide #	NM_024922.6
UniProt Accession #	Q6UWW8
NCBI Official Full Name	carboxylesterase 3 isoform 1
NCBI Official Synonym Full Names	carboxylesterase 3
NCBI Official Symbol	CES3
NCBI Official Synonym Symbols	ES31
NCBI Protein Information	carboxylesterase 3

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.