

CRELD2 elisa kit

Mouse CRELD2 PicoKine ELISA Kit

CATALOG #
AAA125108

REACTIVITY
Mouse There is no detectable cross-reactivity with other relevant proteins.

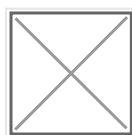
PRODUCT SYNONYMS

CRELD2; Mouse CRELD2 PicoKine ELISA Kit; Mouse CRELD2; Cysteine-rich with EGF-like domain protein 2; Creld2; Cysteine-rich with EGF-like domains 2; CRELD2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Mouse Cpe
Sequence Length	350
Samples	Cell Culture Supernates, Serum And Plasma(Heparin, Edta)
Detection Range	156ng/ml-10000ng/ml
Sensitivity	<50pg/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.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CRELD2 elisa kit	Principle of the Assay: The Picokine Mouse Cpe Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Cpe with a 96-well strip plate that is pre-coated with antibody specific for Cpe. The detection antibody is a biotinylated antibody specific for Cpe. The capture antibody is A monoclonal antibody from rat, the detection antibody is a biotinylated detection polyclonal antibody from goat. The kit contains recombinant Mouse Cpe with immunogen: Expression system for standard: NSO, Immunogen sequence: L43-F476. The kit is analytically validated with ready to use reagents. To measure Mouse Cpe, 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 Cpe 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 Cpe in the sample!!Background/Introduction: This gene encodes carboxypeptidase E, a prohormone-processing exopeptidase found in secretory granules of endocrine and neuroendocrine cells. It is mapped to 8 B3.1; 8 32.3 cM. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional enzyme that cleaves the C-terminal basic residues of protein substrates. A missense mutation in this gene is responsible for the obesity phenotype in a mouse model known as the "fat mouse." Mice lacking the functional product of this gene exhibit impaired processing of multiple peptide hormones such as proinsulin, prodynorphin, proneurotensin, promelanin-concentrating hormone and pro-opiomelanocortin.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21313278
NCBI GeneID	76737
NCBI Accession #	NP_083996.1
NCBI GenBank Nucleotide #	NM_029720.2
UniProt Accession #	Q9CYA0
Molecular Weight	38,220 Da
NCBI Official Full Name	cysteine-rich with EGF-like domain protein 2
NCBI Official Synonym Full Names	cysteine-rich with EGF-like domains 2
NCBI Official Symbol	Creld2
NCBI Official Synonym Symbols	C85758; 5730592L21Rik
NCBI Protein Information	cysteine-rich with EGF-like domain protein 2
UniProt Protein Name	Cysteine-rich with EGF-like domain protein 2
UniProt Gene Name	Creld2

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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/creld2/125108>