

Rat Cubilin (CUBN) ELISA Kit | CUBN elisa kit

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CATALOG #
AAA185713

REACTIVITY
Rat

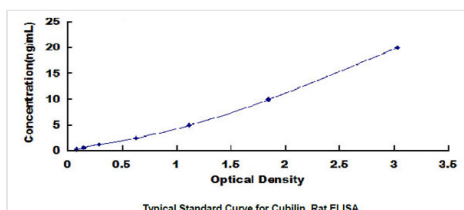
PRODUCT SYNONYMS

Cubilin (CUBN); Rat Cubilin (CUBN) ELISA Kit; IFCR; MGA1; gp280; Intrinsic Factor Cobalamin Receptor; 460 kDa receptor; Intestinal intrinsic factor receptor; Intrinsic factor-vitamin B12 receptor; CUBN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of cubilin. No significant cross-reactivity or interference between cubilin and analogues was observed.
Sequence Length	3623
Samples	Rat tissue homogenates, cell lysates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	< 0.123ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level cubilin were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level cubilin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CUBN elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of cubilin in rat tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to cubilin. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to cubilin. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain cubilin, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of cubilin in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16758040
NCBI GeneID	80848
NCBI Accession #	NP_445784.1
NCBI GenBank Nucleotide #	NM_053332.2
UniProt Accession #	O70244
Molecular Weight	398,987 Da
NCBI Official Full Name	cubilin
NCBI Official Synonym Full Names	cubilin
NCBI Official Symbol	Cubn
NCBI Official Synonym Symbols	IFCR; MGA1; GP280
NCBI Protein Information	cubilin
UniProt Protein Name	Cubilin
UniProt Gene Name	Cubn
UniProt Synonym Gene Names	Ifcr; gp280

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.