

Mouse Cereblon (CRBN) ELISA Kit | CRBN elisa kit

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CATALOG #
AAA66753

REACTIVITY
Mouse

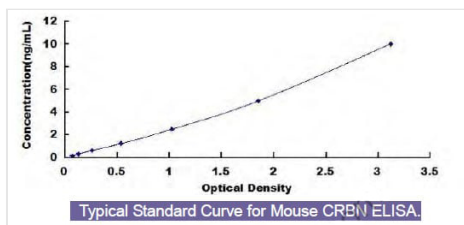
PRODUCT SYNONYMS

Cereblon (CRBN); Mouse Cereblon (CRBN) ELISA Kit; MRT2A; Mental Retardation; Non-Syndromic; Autosomal Recessive 2A; CRBN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CPS1. No significant cross-reactivity or interference between CPS1 and analogues was observed.
Sequence Length	444
Samples	Human Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.056ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CPS1 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 CPS1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CRBN elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of CPS1 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CPS1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CPS1. 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 CPS1, 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 CPS1 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 #	90403612
NCBI GeneID	58799
NCBI Accession #	NP_067424.2
NCBI GenBank Nucleotide #	NM_021449.3
UniProt Accession #	Q8C7D2; Q3TVC2; Q5RJV6; Q6IS49; Q80XJ1; Q8BP45; Q8C6B7; Q9JKR4
Molecular Weight	50,809 Da
NCBI Official Full Name	protein cereblon isoform 1
NCBI Official Synonym Full Names	cereblon
NCBI Official Symbol	Crbn
NCBI Official Synonym Symbols	piL; AF229032; AW108261; 2610203G15Rik; 2900045O07Rik
NCBI Protein Information	protein cereblon
UniProt Protein Name	Protein cereblon
UniProt Gene Name	Crbn
UniProt Synonym Gene Names	Protein PiL

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.