

Human Cereblon (CRBN) ELISA Kit | CRBN elisa kit

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CATALOG #
AAA187141

REACTIVITY
Human

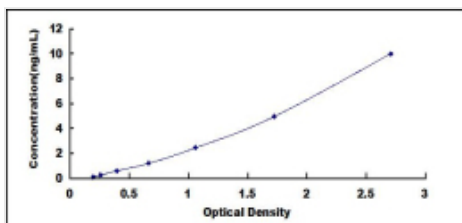
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Cereblon (CRBN). No significant cross-reactivity or interference between Cereblon (CRBN) and analogues was observed.
Sequence Length	441
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.057ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Cereblon (CRBN) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Cereblon (CRBN) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 CRBN elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Cereblon (CRBN). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Cereblon (CRBN). 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 Cereblon (CRBN), 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 Cereblon (CRBN) 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 #	45767875
NCBI GeneID	51185
UniProt Accession #	Q96SW2; Q6AI62; Q6NVZ0; Q9UHW4; B2R6H4; C9IZA9; C9JAH6
Molecular Weight	50,475 Da
NCBI Official Full Name	Cereblon
NCBI Official Synonym Full Names	cereblon
NCBI Official Symbol	CRBN
NCBI Official Synonym Symbols	MRT2; MRT2A
NCBI Protein Information	protein cereblon
UniProt Protein Name	Protein cereblon
UniProt Gene Name	CRBN

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://www.aaabiotech.com/human-elisa-kits/cereblon-crbn/187141>