

Human Cerberus (CER) ELISA Kit | CER elisa kit

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CATALOG #
AAA185530

REACTIVITY
Human

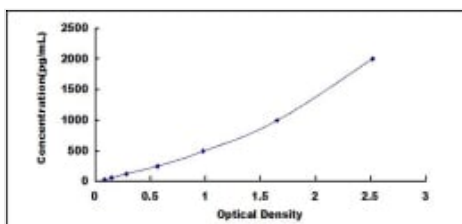
PRODUCT SYNONYMS

Cerberus (CER); Human Cerberus (CER) ELISA Kit; CER1; DAND4; Cerberus 1; DAN domain family member 4; Cysteine Knot Superfamily; Homolog(Xenopus Laevis); Cerberus-related protein; CER elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Cerberus (CER). No significant cross-reactivity or interference between Cerberus (CER) and analogues was observed.
Sequence Length	272
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	31.25-2000pg/mL
Sensitivity	< 13.3pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Cerberus (CER) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Cerberus (CER) 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 CER 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 Cerberus (CER). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Cerberus (CER). 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 Cerberus (CER), 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 Cerberus (CER) 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 #	6753410
NCBI GeneID	12622
NCBI Accession #	NP_034017.1
NCBI GenBank Nucleotide #	NM_009887.2
UniProt Accession #	O55233; O35213
Molecular Weight	30,431 Da
NCBI Official Full Name	cerberus
NCBI Official Synonym Full Names	cerberus 1, DAN family BMP antagonist
NCBI Official Symbol	Cer1
NCBI Official Synonym Symbols	CerI; Cerl1; Cerr1; cer-1
NCBI Protein Information	cerberus
UniProt Protein Name	Cerberus
UniProt Gene Name	Cer1
UniProt Synonym Gene Names	CerI; Cerr1; Cer-I

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/human-elisa-kits/cerberus-cer/185530>