

Rat Calbindin (CALB) ELISA Kit | CALB elisa kit

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CATALOG #
AAA136158

REACTIVITY
Rat

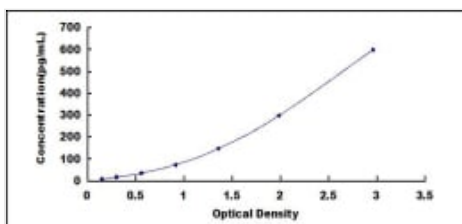
PRODUCT SYNONYMS

Calbindin (CALB); Rat Calbindin (CALB) ELISA Kit; CAB27; Calbindin 1; 28kDa; Calbindin D28; Vitamin D-dependent calcium-binding protein; avian-type; CALB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Calbindin (CALB). No significant cross-reactivity or interference between Calbindin (CALB) and analogues was observed.
Sequence Length	261
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Urine and other biological fluids
Detection Range	9.38-600pg/mL
Sensitivity	3.3pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Calbindin (CALB) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Calbindin (CALB) 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 CALB 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 Calbindin (CALB). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Calbindin (CALB). 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 Calbindin (CALB), 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 Calbindin (CALB) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CALB elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826655
NCBI GeneID	793
NCBI Accession #	NP_004920.1
NCBI GenBank Nucleotide #	NM_004929.3
UniProt Accession #	P05937; B2R696; B7Z9J4
Molecular Weight	23,609 Da
NCBI Official Full Name	calbindin
NCBI Official Synonym Full Names	calbindin 1, 28kDa
NCBI Official Symbol	CALB1
NCBI Official Synonym Symbols	CALB; D-28K
NCBI Protein Information	calbindin
UniProt Protein Name	Calbindin
UniProt Gene Name	CALB1
UniProt Synonym Gene Names	CAB27
UniProt Entry Name	CALB1_HUMAN

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/rat-elisa-kits/calbindin-calb/136158>