Mouse Calbindin (CALB1) ELISA Kit | CALB1 elisa kit

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CATALOG #	REACTIVITY
AAA244568	**Mouse**

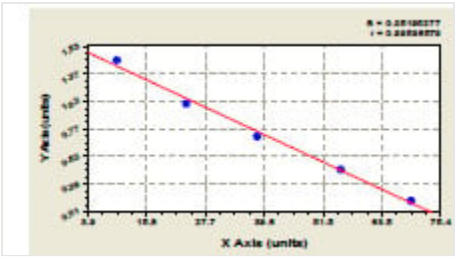
PRODUCT SYNONYMS

Calbindin (CALB1); Mouse Calbindin (CALB1) ELISA Kit; CALB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CALB1 elisa kit	Intended Uses: This CALB1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CALB1. This ELISA kit for research use only! Principle of the Assay||CALB1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CALB1 antibody and an CALB1-HRP conjugate. The assay sample and buffer are incubated together with CALB1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CALB1 concentration since CALB1 from samples and CALB1-HRP conjugate compete for the anti-CALB1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CALB1 from the sample, fewer sites are left to bind CALB1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CALB1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CALB1 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826655
NCBI GeneID	793
NCBI Accession #	NP_004920.1
NCBI GenBank Nucleotide #	NM_004929.2
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
NCBI Protein Information	calbindin; D-28K; calbindin D28; RTVL-H protein; calbindin 1, (28kD); vitamin D-dependent calcium-binding protein, avian-type
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://www.aaabiotech.com/mouse-elisa-kits/calbindin-calb1/244568