

Rat Calmodulin-like protein 5 (CALML5) ELISA Kit | CALML5 elisa kit

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CATALOG #
AAA245033

REACTIVITY
Rat

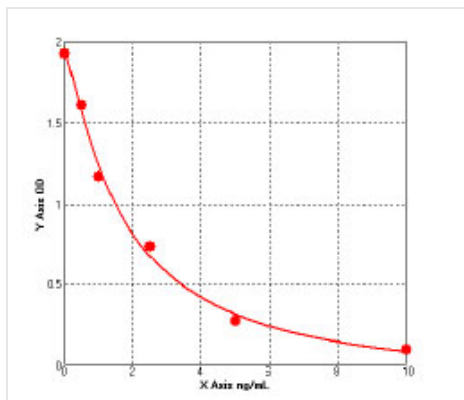
PRODUCT SYNONYMS

Calmodulin-like protein 5 (CALML5); Rat Calmodulin-like protein 5 (CALML5) ELISA Kit; CALML5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CALML5. No significant cross-reactivity or interference between CALML5 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CALML5 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative 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 CALML5 elisa kit	Intended Uses: This CALML5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CALML5. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CALML5 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CALML5 antibody and an CALML5-HRP conjugate. The assay sample and buffer are incubated together with CALML5-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 CALML5 concentration since CALML5 from samples and CALML5-HRP conjugate compete for the anti-CALML5 antibody binding site. Since the number of sites is limited, as more sites are occupied by CALML5 from the sample, fewer sites are left to bind CALML5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CALML5 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CALML5 elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	223278387
NCBI GeneID	51806
NCBI Accession #	NP_059118.2
NCBI GenBank Nucleotide #	NM_017422.4
Molecular Weight	15,893 Da
NCBI Official Full Name	calmodulin-like protein 5
NCBI Official Synonym Full Names	calmodulin-like 5
NCBI Official Symbol	CALML5
NCBI Official Synonym Symbols	CLSP
NCBI Protein Information	calmodulin-like protein 5; calmodulin-like skin protein
UniProt Protein Name	Calmodulin-like protein 5
UniProt Gene Name	CALML5
UniProt Synonym Gene Names	CLSP
UniProt Entry Name	CALL5_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/calmodulin-like-protein-5-calml5/245033>