

Human CALML5 ELISA Kit | CALML5 elisa kit

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CATALOG #
AAA258433

REACTIVITY
Human

PRODUCT SYNONYMS

CALML5; Human CALML5 ELISA Kit; CALML5 ELISA Kit; Human; calmodulin like 5; CLSP ELISA Kit; CALML5 elisa kit

PRODUCT SPECIFICATIONS

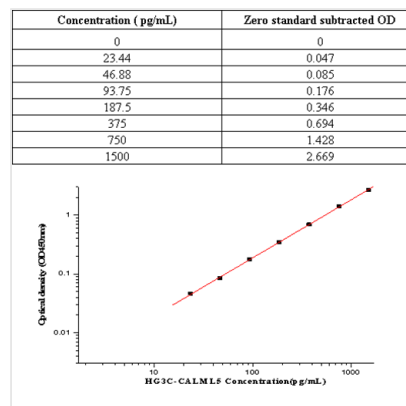
Reactivity	Human
Specificity	The kit has been verified by high purity Human CALML5 recombinant protein.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Recombinant protein
Detection Range	23.44-1500pg/mL
Sensitivity	4.1pg/mL
Conjugation	HRP
Interference	Preparations of PLK1 at 15ng/mL in a mid-range recombinant human CALML5 control were assayed for interference. No significant interference was observed.
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

IMAGES

Recombinant human			
IL1	IL2	IL4	IL6
IL8	IL10	IL33	PDGF
VEGF	TNF- α	IFN- γ	MIP-1 β
TIMP1	TIMP2	GM-CSF	SCF
CALML3	PLK1		

Application Data

This assay recognizes recombinant human CALML5. The factors listed above were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed. Preparations of PLK1 at 15ng/mL in a mid-range recombinant human CALML5 control were assayed for interference. No significant interference was observed.



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for CALML5 elisa kit	This CALML5 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human CALML5 protein in Recombinant protein. It contains recombinant Human CALML5, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Calmodulin-like protein 5, also known as Calmodulin-like skin protein, CALML5 and CLSP, is a protein which contains fourEF-hand domains. CALML5/CLSP is particularly abundant in the epidermis where its expression is directly related to keratinocyte differentiation.The expression is very low in lung. CALML5/CLSP binds calcium. It may be involved in terminal differentiation of keratinocytes. Coxsackievirus and adenovirus receptor (CAR) is a member of the immunoglobulin (Ig) superfamily and a component of epithelial tight junction. CAR functions as a primary receptor for coxsackievirus B and adenovirus (Ad) infection. CALML5/CLSP is closely related to CAR. The structure and dynamics of human calmodulin-like skin protein CALML5/CLSP have been characterized by NMR spectroscopy. The mobility of CALML5/CLSP has been found to be different for the N-terminal and C-terminal domains. The N-terminal domain is characterized by four stable helices, which experience large fluctuations. This is shown to be due to mutations in the hydrophobic core. The overall N-terminal domain behavior is similar both in the full-length protein and in the isolated domain.
References	Mehul B., et al., 2000, J. Biol. Chem. 275:12841-12847. Babini E., et al., 2006, Structure 14:1029-1038. Kawabata, K. et al., 2007, Gene Ther. 14 (16):1199-207.

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/calml5/258433>