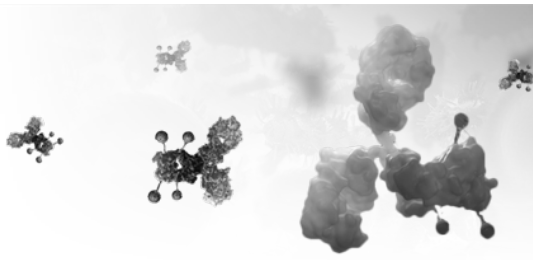

Mouse Anti-Human CALML5 monoclonal antibody, clone NN19 (CABT-ZB703)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human CALML5
Target	CALML5
Immunogen	Recombinant Human CALML5 Protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	NN19
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB703 - CABT-ZB1030 This antibody will detect CALML5 in antibody pair set. [ABPR-ZB282]
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human CALML5. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Format	Purified, Liquid
Concentration	Lot specific

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Size	50 µL, 100 µL, 200 µL, 1 mL
Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	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.
Keywords	CALML5; calmodulin-like 5; calmodulin-like protein 5; calmodulin like skin protein

GENE INFORMATION

Synonyms	CALML5; calmodulin-like 5; calmodulin-like protein 5; calmodulin like skin protein; CLSP; calmodulin-like skin protein
Entrez Gene ID	51806
UniProt ID	Q9NZT1

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