

## ARG82604 Human CALML5 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG82604 Human CALML5 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CALML5 in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	<p>This kit could assay both natural and recombinant Human CALML5.</p> <p>No significant cross-reactivity or interference was observed in the following samples: Human: CALML3, GM-CSF, IFN gamma, IL1 beta, IL2, IL4, IL5, IL6, IL8, IL10, IL12, IL17A, IL18, IL21, IL22, IL23, MCP1, MIP1 beta, SCF, TGF beta 1, TNF alpha and VEGF. Mouse: GM-CSF, IFN gamma, IL1 beta, IL2, IL4, IL6, IL10, IL17A and TNF alpha. Rat: IFN gamma, IL1 beta, IL4, IL6, IL10 and TNF alpha.</p>
Target Name	CALML5
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	23.5 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	46.9 - 3000 pg/ml
Sample Volume	20 µl
Precision	Intra-Assay CV: 4.2% Inter-Assay CV: 2.0%
Alternate Names	CLSP; Calmodulin-like skin protein; Calmodulin-like protein 5

### Application Instructions

Assay Time	~ 3.5 hours
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### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

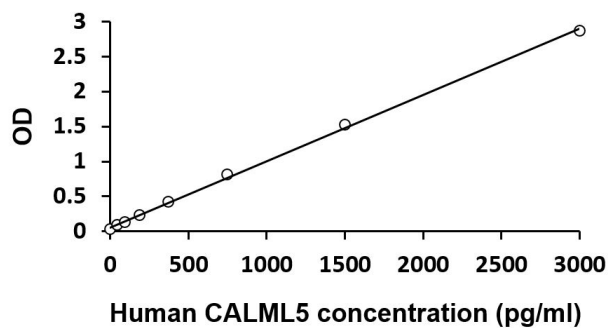
### Bioinformation

Gene Symbol	CALML5
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Gene Full Name	calmodulin-like 5
Background	This gene encodes a novel calcium binding protein expressed in the epidermis and related to the calmodulin family of calcium binding proteins. Functional studies with recombinant protein demonstrate it does bind calcium and undergoes a conformational change when it does so. Abundant expression is detected only in reconstructed epidermis and is restricted to differentiating keratinocytes. In addition, it can associate with transglutaminase 3, shown to be a key enzyme in the terminal differentiation of keratinocytes. [provided by RefSeq, Jul 2008]
Function	Binds calcium. May be involved in terminal differentiation of keratinocytes. [UniProt]
Highlight	Related products:  New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>

Images

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ARG82604 Human CALML5 ELISA Kit standard curve image

ARG82604 Human CALML5 ELISA Kit results of a typical standard run with optical density reading at 450 nm.