

Product Name: KD-Validated CAMLG Mouse Monoclonal Antibody**Catalog #: KVA00588**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500; FC 1:100-1:1,000
Molecular Weight	Calculated MW: 33.0kDa

Antigen Information

Gene Name	CAMLG
Alternative Names	CAMLG; Calcium Modulating Ligand; CAML; GET2; Guided Entry Of Tail-Anchored Proteins Factor CAMLG; Calcium Signal-Modulating Cyclophilin Ligand; Calcium-Modulating Cyclophilin Ligand; Cyclophilin B-Binding Protein; Calcium-Signal Modulating Cyclophilin Ligand; CDG2Z
Gene ID	819.0
SwissProt ID	P49069
Immunogen	Recombinant protein of human CAMLG

Background

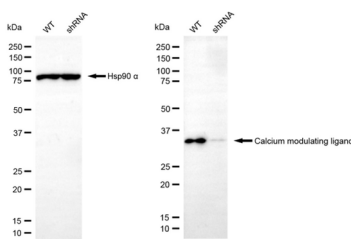
The immunosuppressant drug cyclosporin A blocks a calcium-dependent signal from the T-cell receptor (TCR) that normally

leads to T-cell activation. When bound to cyclophilin B, cyclosporin A binds and inactivates the key signaling intermediate calcineurin. The protein encoded by this gene functions similarly to cyclosporin A, binding to cyclophilin B and acting downstream of the TCR and upstream of calcineurin by causing an influx of calcium. This integral membrane protein appears to be a new participant in the calcium signal transduction pathway, implicating cyclophilin B in calcium signaling, even in the absence of cyclosporin. [provided by RefSeq, Jul 2008]

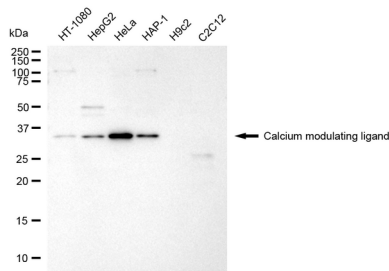
Research Area

Signal Transduction

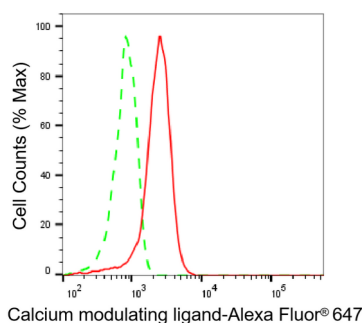
Image Data



Western blotting analysis using calcium modulating ligand antibody (KVA00588). Calcium modulating ligand expression in wild type (WT) and calcium modulating ligand (CAMLG) shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with calcium modulating ligand antibody (KVA00588, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using calcium modulating ligand antibody (KVA00588). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with calcium modulating ligand antibody (KVA00588, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Flow cytometric analysis of Calcium modulating ligand expression in HeLa cells using Calcium modulating ligand antibody (KVA00588, 1:1,000). Green, isotype control; red, Calcium modulating ligand.