

## Anti-CAMKIV Mouse mAb

Purified Mouse Monoclonal Antibody

Catalog # M012657

### Product Information

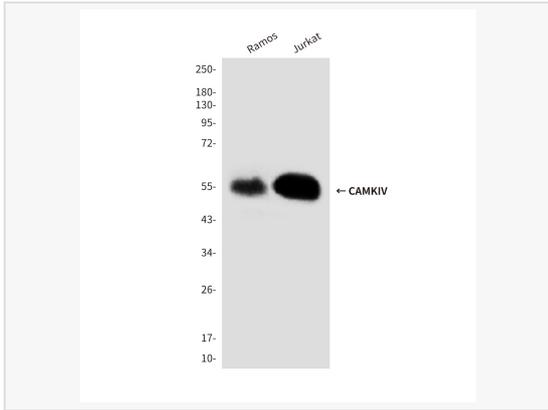
Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:500~1:1,000
Host	Mouse
Clonality	Monoclonal
Clone No.	39M91M53
Isotype	IgG2a
Label	Unconjugated
Immunogen	Purified recombinant human CaMKIV protein fragments expressed in E.coli.
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-CAMKIV antibody [39M91M53] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	CAMK4, CAMK, CAMK-GR, CAMKIV, Calcium/calmodulin-dependent protein kinase type IV, CaMK IV, CaM kinase-GR.
Calculated MW	Calculated MW: 52 kDa; Observed MW: 55 kDa
Uniprot ID	Q16566
Gene ID	814
Background	Calcium/calmodulin-dependent protein kinase belonging to a proposed calcium-triggered signaling cascade. May be involved in transcriptional regulation. May be involved in regulation of microtubule dynamics. In vitro, phosphorylates CREB1, CREBBP, PRM2, MEF2A, MEF2D and STMN1/OP18.

## Validation Images

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Western blot analysis of CaMKIV in Romas and Jurkat lysates using CaMKIV antibody.