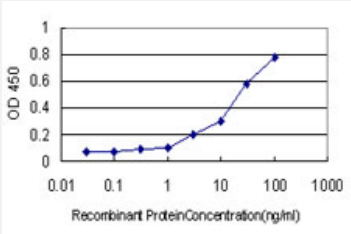
KCNMB4 monoclonal antibody (M01), clone 1G7

Catalog # H00027345-M01 Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged KCNMB4 is approximately 0.3ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant KCNMB4.
Immunogen	KCNMB4 (AAH50621, 1 a.a. ~ 210 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAKLRVAYEYTEAEDKSIRLGLFLIISGVVSLFIFGFCWLSPALQDLQATEANCTVLSVQQIGEVFECTFTCGADCRGTSQYPCVQVYVNNSESNSRALLHSDEHQLLTNPKCSYIPPCKRENQKNLESVMNWQQYWKDEIGSQPFTCYFNQHQRPDDVLLHRTHDEIVLLHCFLWPLVTFVVGVLIVVLTICAKSLAVKAEAMKKRKFS
Host	Mouse
Reactivity	Human
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

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  Protocol Download

- ELISA

Gene Info — KCNMB4

Entrez GeneID	27345
GeneBank Accession#	BC050621
Protein Accession#	AAH50621
Gene Name	KCNMB4
Gene Alias	-
Gene Description	potassium large conductance calcium-activated channel, subfamily M, beta member 4
Omim ID	605223
Gene Ontology	Hyperlink
Gene Summary	MaxiK channels are large conductance, voltage and calcium-sensitive potassium channels which are fundamental to the control of smooth muscle tone and neuronal excitability. MaxiK channels ca n be formed by 2 subunits: the pore-forming alpha subunit and the modulatory beta subunit. The pr otein encoded by this gene is an auxiliary beta subunit which slows activation kinetics, leads to st eeper calcium sensitivity, and shifts the voltage range of current activation to more negative poten tials than does the beta 1 subunit. [provided by RefSeq
Other Designations	calcium-activated potassium channel beta 4 subunit|large conductance calcium-dependent potas sium ion channel beta 4 subunit

Pathway

- Vascular smooth muscle contraction

Disease

- Epilepsy
- Genetic Predisposition to Disease
- Seizures
- Syndrome