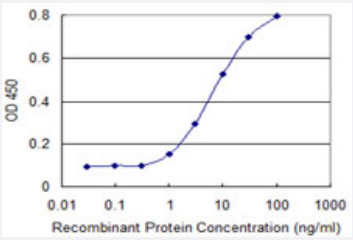
KCNA1 monoclonal antibody (M05), clone 2D8

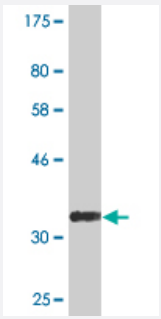
Catalog # H00003736-M05 Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged KCNA1 is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (35.2 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant KCNA1.
Immunogen	KCNA1 (NP_000208.1, 410 a.a. ~ 495 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	NFNYFYHRETEGEEQAQLLHVSSPNLASDSDLSRRSSSTMSKSEYMEIEEDMNNSIAHYRQVNIRTANCTTANQNCVNKSKLLTDV
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (95); Rat (93)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.2 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged KCNA1 is 0.3 ng/ml as a capture antibody.

  Protocol Download

- ELISA

Gene Info — KCNA1

Entrez GeneID	3736
GeneBank Accession#	NM_000217
Protein Accession#	NP_000208.1
Gene Name	KCNA1
Gene Alias	AEMK, EA1, HBK1, HUK1, KV1.1, MBK1, MGC126782, MGC138385, MK1, RBK1
Gene Description	potassium voltage-gated channel, shaker-related subfamily, member 1 (episodic ataxia with myo kymia)
Omim ID	160120 176260
Gene Ontology	Hyperlink

Gene Summary	This gene encodes a voltage-gated delayed potassium channel that is phylogenetically related to the Drosophila Shaker channel. The encoded protein has six putative transmembrane segments (S1-S6), and the loop between S5 and S6 forms the pore and contains the conserved selectivity fil ter motif (GYGD). The functional channel is a homotetramer. The N-terminus of the channel is ass ociated with beta subunits that can modify the inactivation properties of the channel as well as affe ct expression levels. The C-terminus of the channel is complexed to a PDZ domain protein that is responsible for channel targeting. Mutations in this gene have been associated with myokymia wit h periodic ataxia (AEMK). [provided by RefSeq
Other Designations	potassium voltage-gated channel subfamily A member 1|voltage-gated potassium channel subuni t Kv1.1

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema