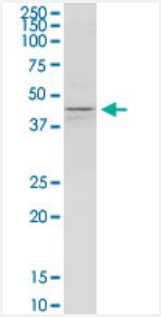
KCNJ5 monoclonal antibody (M01), clone 8D2

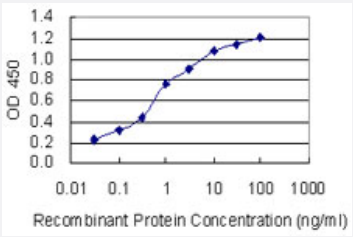
Catalog # H00003762-M01 Size 100 ug

Applications



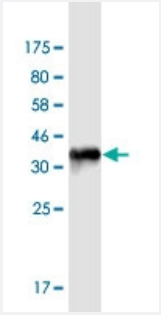
Western Blot (Cell lysate)

KCNJ5 monoclonal antibody (M01), clone 8D2. Western Blot analysis of KCNJ5 expression in K-562.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged KCNJ5 is 0.03 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant KCNJ5.

Immunogen	KCNJ5 (NP_000881.3, 321 a.a. ~ 419 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	SYMDTEVLWGHRFTPVLTLEKGFYEVDYNTFHDTYETNTPSCCAKELAEMKREGRLLQYLPSPPLLGGCAEAGLDAEAEQNEEDEPKGLGGSREARGSV
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (87); Rat (85)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 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 (Cell lysate)

  KCNJ5 monoclonal antibody (M01), clone 8D2. Western Blot analysis of KCNJ5 expression in K-562.

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged KCNJ5 is 0.03 ng/ml as a capture antibody.

  Protocol Download

- ELISA

Gene Info — KCNJ5

Entrez GeneID	3762

GeneBank Accession#	NM_000890
Protein Accession#	NP_000881.3
Gene Name	KCNJ5
Gene Alias	CIR, GIRK4, KATP1, KIR3.4
Gene Description	potassium inwardly-rectifying channel, subfamily J, member 5
Omim ID	600734
Gene Ontology	Hyperlink
Gene Summary	Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. The protein encoded by this gene is an integral membrane protein and inward-rectifier type potassium channel. The encoded protein, which has a greater tendency to all ow potassium to flow into a cell rather than out of a cell, is controlled by G-proteins. It may associa te with two other G-protein-activated potassium channels to form a heteromultimeric pore-forming complex. [provided by RefSeq
Other Designations	G protein-activated inward rectifier potassium channel 4 (GIRK4) (Potassium channel, inwardly re ctifying, subfamily J, member 5) (Inward rectifier K+ channel Kir3.4) (Heart KATP channel) (KATP-1) (Cardiac inward rectifier) (CIR)...|cardiac ATP-sensitive p

Disease

- Atrial Fibrillation
- Sick Sinus Syndrome