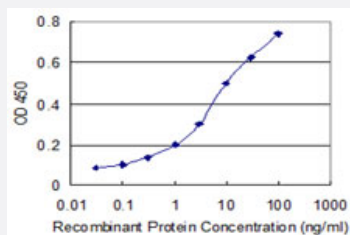


CACNA1I monoclonal antibody (M01), clone 2F5

Catalog # H00008911-M01

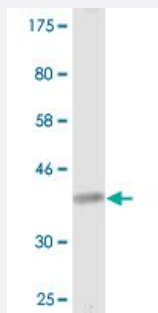
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CACNA1I is 0.1 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 CACNA1I.

Immunogen

CACNA1I (NP_066919, 233 a.a. ~ 331 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

GLLRNRCFLEENFTIQGDVALPPYYQPEEDDEMPFICSLSGDNGIMGCHEIPLKEQGRECCLSK
DDVYDFGAGRQDLNASGLCVNWNRYNVCRTGSA

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (97); Rat (97)
Isotype	IgG1 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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CACNA1I is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — CACNA1I

Entrez GeneID	8911
GeneBank Accession#	NM_021096
Protein Accession#	NP_066919
Gene Name	CACNA1I
Gene Alias	Cav3.3, KIAA1120
Gene Description	calcium channel, voltage-dependent, T type, alpha 1I subunit
Omim ID	608230
Gene Ontology	Hyperlink

Gene Summary

Voltage-dependent calcium channels control the rapid entry of Ca^{2+} into a variety of cell types and are therefore involved in both electrical and cellular signaling. T-type channels, such as CACNA1I, are activated by small membrane depolarizations and can generate burst firing and pacemaker activity.[supplied by OMIM]

Other Designations

calcium channel, voltage-dependent, alpha 1I subunit

Pathway

- [Calcium signaling pathway](#)
- [MAPK signaling pathway](#)

Disease

- [Epilepsy](#)
- [Kidney Failure](#)