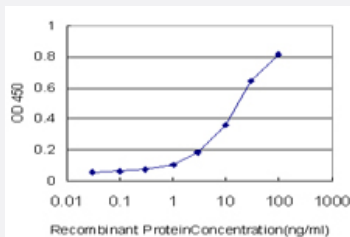


GRID2 monoclonal antibody (M01), clone 1A1

Catalog # H00002895-M01

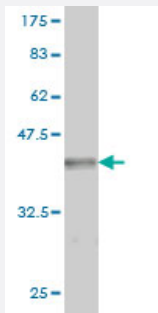
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GRID2 is approximately 1ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant GRID2.

Immunogen

GRID2 (NP_001501, 908 a.a. ~ 1007 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

DTLPTRQALEQISDFRNTHITTTTFIPEQIQTLRSRTLSAKAASGFTFGNVPEHRTGPFRHRAPNGGFF
RSPIKTMSSIPYQPTPTLGLNLGNDPDRGTSI

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (98)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 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 GRID2 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — GRID2

Entrez GeneID	2895
GeneBank Accession#	NM_001510
Protein Accession#	NP_001501
Gene Name	GRID2
Gene Alias	MGC117022, MGC117023, MGC117024
Gene Description	glutamate receptor, ionotropic, delta 2
Omim ID	602368
Gene Ontology	Hyperlink

Gene Summary

Human glutamate receptor delta-2 (GRID2) is a relatively new member of the family of ionotropic glutamate receptors which are the predominant excitatory neurotransmitter receptors in the mammalian brain. GRID2 is a predicted 1,007 amino acid protein that shares 97% identity with the mouse homolog which is expressed selectively in cerebellar Purkinje cells. A point mutation in mouse GRID2, associated with the phenotype named 'lurcher', in the heterozygous state leads to ataxia resulting from selective, cell-autonomous apoptosis of cerebellar Purkinje cells during postnatal development. Mice homozygous for this mutation die shortly after birth from massive loss of mid- and hindbrain neurons during late embryogenesis. This strongly suggests a role for GRID2 in neuronal apoptotic death. [provided by RefSeq]

Other Designations

GluR-delta-2|OTTHUMP00000161600

Pathway

- [Long-term depression](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Tobacco Use Disorder](#)