GRM4 (Human) Cell-Based ELISA Kit

Catalog # KA2993 Size 1 Kit

Specification

Product Description	GRM4 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of GRM4 expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse, Rat
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — GRM4

Entrez GeneID	2914
Protein Accession#	Q14833
Gene Name	GRM4
Gene Alias	GPRC1D, MGLUR4, mGlu4
Gene Description	glutamate receptor, metabotropic 4

Omim ID	604100
Gene Ontology	Hyperlink
Gene Summary	L-glutamate is the major excitatory neurotransmitter in the central nervous system and activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. The metabotropic glutamate receptors are a family of G protein-coupled receptors, that have been divided into 3 groups on the basis of sequence homology, putative signal transduction mechanisms, and pharmacologic properties. Group I includes GRM1 and GRM5 and these receptors have been shown to activate phospholipase C. Group II includes GRM2 and GRM3 while Group III includes GRM4, GRM6, GRM7 and GRM8. Group II and III receptors are linked to the inhibition of the cyclic AMP cascade but differ in their agonist selectivities. [provided by RefSeq
Other Designations	OTTHUMP00000016221|glutamate metabotropic receptor 4

Pathway

- Neuroactive ligand-receptor interaction
- Taste transduction

Disease

- Bipolar Disorder
- Cognition
- Epilepsy
- Genetic Predisposition to Disease
- Mental Disorders
- Myoclonic Epilepsy
- Schizophrenia
- Schizophrenic Psychology
- Weight Gain