

Alternate Names	G-protein coupled receptor 52
Isotype	IgG1
Conjugate	Unconjugated
Background	Human probable G-protein coupled receptor 52 (GPR52), is a 7-transmembrane G protein-coupled receptor (GPCR). GPCR52 is an orphan GPCR. Unlike many GPCRs, GPR52 exhibits constitutive activity, meaning it can signal in the absence of a known endogenous ligand. Due to its localization and signaling properties, GPR52 has attracted interest as a potential therapeutic target for neuropsychiatric disorders such as schizophrenia and Huntington's disease.

Product Details

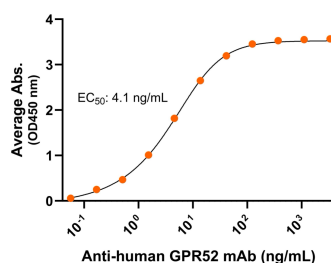
Specificity	Human
Antibody Type	Monoclonal antibody
Host Species	Mouse
Immunogen	GPR52 N-terminus extracellular domain, the exact sequence of the immunogen is proprietary.; UniProt # Q9Y2T5
Formulation / Storage buffer	Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4 with 10% trehalose as protectant
Reconstitution	For best performance, we strongly recommend you reconstitute the lyophilized product with deionized water to a stock solution of 500 µg/mL. Solubilize for 20 minutes at room temperature with occasional gentle mixing. Avoid shaking or vortexing. For 25µg product size: Reconstitute with 50 µL sterile deionized water. For 100µg product size: Reconstitute with 200 µL sterile deionized water.
Shipping	Frozen Ice Packs
Purification	Affinity Enrichment

Stability & Storage	-20°C
Verified Application	ELISA
Recommended Usage	ELISA: starting concentration 1 µg/mL

Bioactive Data, Detection of Antigen by:

ELISA

Anti-human GPR52 Monoclonal Antibody, ELISA
0.2µg of GPR52 protein per well



Immobilized human GPR52 fragment at 2 µg/mL (100 µL/well) can bind mouse Anti-Human GPR52 Monoclonal Antibody (Cat. No. CABh-25349) with half maximal effective concentration (EC50) range of 2-8.2 ng/mL (QC tested).

Antigen Details

Structure	7-transmembrane protein, G protein-coupled receptor (GPCR)
Function	controls various cyclic AMP (cAMP)-dependent physiological and pathological processes
Ligand / Receptor	Unknown
Cell Type	predominantly expressed in the brain, especially in the striatum
Molecular Family	G protein-coupled receptor
Gene ID	Q9Y2T5