

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GPR52 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2A} Clone # 582671
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human GPR52 Met1-Ile361 Accession # Q9Y2T5
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10 ⁶ cells	HEK293 Human Cell Line Transfected with Human GPR52 and eGFP

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

GPR52 is a class-A orphan G-protein-coupled receptor (GPCR) that is highly expressed in the brain and represents a promising therapeutic target for the treatment of several neuropsychiatric disorders, including Huntington's disease and schizophrenia. GPR52 is a 41kDa seven-transmembrane domain protein (7TM). Mouse and human sequences are 96% identical over the full protein.

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