Human 5-HT2A Alexa Fluor® 700-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 1055220

Catalog Number: FAB112501N

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human HTR2A in direct ELISA.
Source	Monoclonal Mouse IgG_1 Clone # 1055220
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Synthetic peptide corresponding to the amino acids 1-75 in the N-term extracellular domain of the Serotonin Receptor 5-HT2A (HTR2A). Accession # P28223
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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.*

Flow Cytometry	Titration recommended for optimal concentration with starting range of 0.1-1 µg/1 million cells. Sample used for this experiment was HEK293 cells transfected with Human HT2A and eGFP vs irrelevant.

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.** • 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Human serotonin receptor HTR2A, also known as 5-HT2A or HTR2, is a G-protein coupled receptor (GPCR) for 5-hydroxytryptamine (serotonin). The 5-HT2A receptor is mainly a cell surface receptor with several intracellular locations. Human -5-HT2A is the main excitatory receptor subtype among the GPCRs for serotonin but an inhibitory effect on the visual cortex and the orbitofrontal cortex has also been described. This receptor was first noted for its importance as a target of serotonergic psychedelic drugs such as LSD and psilocybin mushrooms.

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