

DESCRIPTION

Species Reactivity	Human
Specificity	Detects Human HTR2A in Direct ELISA. In flow cytometry, it detects Human HTR2A in HEK293 transfected cells but it does not detect parental HEK293 or mock irrelevant transfectants.
Source	Monoclonal Mouse IgG ₁ Clone # 1055217
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 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% 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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

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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