

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human 5-HTR7 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2A} Clone # 1015322
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Synthetic peptide containing human 5-HTR7 Accession # P34969
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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 5-HT7 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

HTR2B is a G-protein coupled receptor for serotonin. The 5HT2 receptors mediate many of the central and peripheral physiologic functions of serotonin. 5HT2B plays a role in the regulation of dopamine and serotonin release, serotonin uptake and in the regulation of extracellular dopamine and serotonin levels. It also plays a role in pulmonary vasoconstriction and regulating cardiac structure and functions. 5HT2B receptors were shown to be expressed in human failing heart and have been strongly implicated in drug induced valvular heart disease.

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