

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human 5HT2C in direct ELISAs.
Source	Monoclonal Mouse IgG _{2A} Clone # 496214
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human 5HT2C
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. See Certificate of Analysis for details. *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	A172 human glioblastoma cell line

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

5HT2C is a 45 kDa 7TM receptor for serotonin and is neuronally expressed in the limbic system of the brain. The release of dopamine due to 5HT2C ligation regulates mood, appetite, and motivation. 5HT2C is an important pharmacologic target in the treatment of psychosis, schizophrenia, depression, anxiety, and migraine headaches. Multiple isoforms of 5HT2C can be generated by RNA editing. Human 5HT2C shares 89% aa sequence identity with mouse and rat 5HT2C.

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