

DESCRIPTION

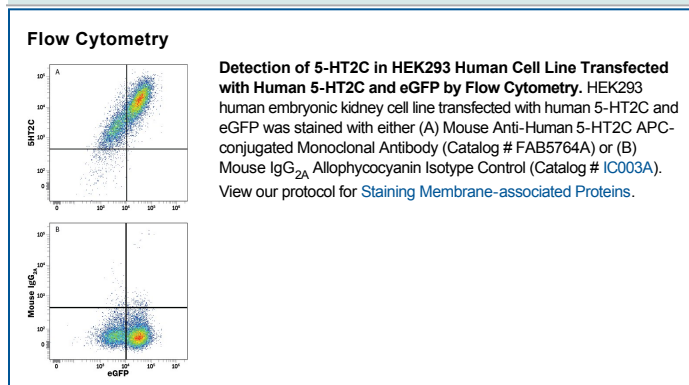
Species Reactivity	Human
Specificity	Detects human 5-HT2C in direct ELISAs.
Source	Monoclonal Mouse IgG _{2A} Clone # 496214
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human 5-HT2C Accession # P28335
Conjugate	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm
Formulation	Supplied 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	10 µL/10 ⁶ cells	See Below

DATA



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

5-HT2C is a 45 kDa 7TM receptor that belongs to the G-protein coupled receptor #1 family. It binds serotonin and is neuronally expressed in the limbic system of the brain. The release of dopamine due to 5-HT2C ligation regulates mood, appetite, and motivation. 5-HT2C is an important pharmacologic target in the treatment of psychosis, schizophrenia, depression, anxiety, and migraine headaches. Multiple isoforms of 5-HT2C can be generated by RNA editing. Human 5-HT2C shares 89% aa sequence identity with mouse and rat 5-HT2C.