

# **Human 5-HT7 APC-conjugated Antibody**

Monoclonal Mouse IgG<sub>2B</sub> Clone # 1015322 Catalog Number: FAB10325A

100 Tests

DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human 5-HTR7 in direct ELISAs.	
Source	Monoclonal Mouse IgG <sub>2B</sub> Clone # 1015322	
Purification	Protein A or G purified from cell culture supernatant	
Immunogen	Synthetic peptide containing human 5-HTR7 Accession # P34969	
Conjugate	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm	
Formulation	Supplied in a saline solution containing Tris, NaCl 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.	

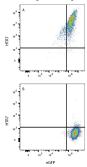
### APPLICATIONS

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 <sup>6</sup> cells	Transfectants (see below)

#### DATA

# Flow Cytometry



Detection of 5-HT7 in 5-HT7 HEK293/eGFP transfecants vs Irrelevant HEK293/eGFP transfecants by Flow Cytometry 5-HT7 HEK293/eGFP transfecants (A) vs Irrelevant HEK293/eGFP transfecants (B) were stained with Mouse Anti-Human 5-HT7 APC-conjugated Monoclonal Antibody (Catalog # FAB10325A). View our protocol for Staining Membraneassociated Proteins.

## PREPARATION AND STORAGE

The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. Shipping

Stability & Storage

Protect from light. Do not freeze.

• 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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Global | bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL: 1.612.379.2956