

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CHR2 in transfectants but not irrelevant transfectants in flow cytometry.
Source	Monoclonal Mouse IgG _{2B} Clone # 585713
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human CHR2 Accession # P08172
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 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 CHR2 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

Muscarinic acetylcholine receptor M2 (CHR2) is a 60 kDa 7-transmembrane glycoprotein that is predominantly expressed in the heart and central nervous system. CHR2 mediates signal transduction in the autonomic nervous system in response to muscarinic agonists. Polymorphisms of CHR2 are associated with alcohol dependence, depression, bipolar disorder, and recovery of heart function after myocardial infarction. Human CHR2 shares 96% aa sequence identity with mouse and rat CHR2.

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