

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human CHRM5 in direct ELISAs.
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # 590123
<b>Purification</b>	Protein A or G purified from ascites
<b>Immunogen</b>	NS0 mouse myeloma cell line transfected with human CHRM5 Met1-Pro532 Accession # P08912
<b>Conjugate</b>	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 nm
<b>Formulation</b>	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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	HEK293 Human Cell Line Transfected with Human CHRM5 and eGFP

## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## BACKGROUND

Muscarinic receptors are widely distributed throughout the body and control distinct functions according to location and subtype (M1 - M5). They are predominantly expressed in the parasympathetic nervous system where they exert both inhibitory and excitatory effects. Stimulation of CHRM5 is known to increase cyclic AMP levels. The clinical implications of CHRM5 are unknown but it may be linked to schizophrenia.

## PRODUCT SPECIFIC NOTICES

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