Human CHRM5 Antibody

Monoclonal Mouse IgG_{2A} Clone # 590123

Catalog Number: MAB10323

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CHRM5 in diect ELISAs.
Source	Monoclonal Mouse IgG_{2A} Clone # 590123
Purification	Protein A or G purified from ascites
Immunogen	NS0 mouse myeloma cell line transfected with human CHRM5 Met1-Pro532 Accession # P08912
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

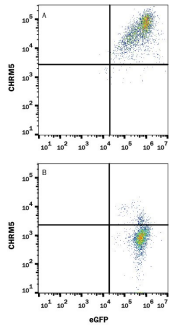
APPLICATIONS

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 µg/10^6 cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA

Flow Cytometry



Detection of CHRM5 in HEK293 Human Cell Line Transfected with Human CHRM5 and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with either (A) human CHRM5 or (B) irrelevant protein and eGFP was stained with Mouse Anti-Human CHRM5 Monoclonal Antibody (Catalog # MAB10323) followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). Quadrant markers were set based on control antibody staining (Catalog # MAB003). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.

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