Human AGTR-1 Antibody

Monoclonal Mouse IgG_{2B} Clone # 1010103

Catalog Number: MAB10244

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human AGTR-1 in direct ELISAs.
Source	Monoclonal Mouse IgG_{2B} Clone # 1010103
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Synthetic peptide containing human AGTR-1
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.

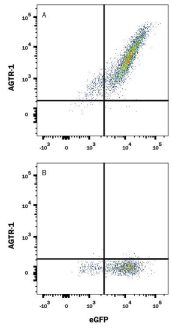
APPLICATIONS

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 AGTR-1 in HEK293 Human Cell Line Transfected with Human AGTR-1 and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with (A) Human AGTR-1 or (B) irrelevant protein, and EGFP, was stained with Mouse Anti-Human AGTR-1 Monoclonal Antibody (Catalog # MAB10244) followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). Quadrant markers were set based on Mouse IgG2B isotype control antibody staining (Catalog # MAB0041). 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.
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

Type-1 angiotensin II receptor, AGTR1, is a seven transmembrane domain (7TM) G protein-coupled receptor (GPCR) that mediates the cardiovascular effects of angiotensin II. At least four transcript variants have been described for the AGTR1 gene.

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