Human OCTN2/SLC22A5 Antibody

Monoclonal Mouse IgG_{2A} Clone # 893753

Catalog Number: MAB11004

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human OCTN2/SLC22A5 in ELISA.
Source	Monoclonal Mouse IgG_{2A} Clone # 893753
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 transfected with human SLC22A5 Accession # O76082
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.

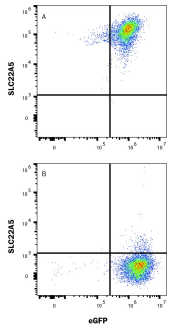
APPLICATIONS

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	HEK293 Human Cell Line Transfected with Human OCTN2/SLC22A5 and eGFP

DATA

Flow Cytometry



Detection of OCTN2/SLC22A5 in HEK293 Human Cell Line Transfected with Human OCTN2/SLC22A5 and eGFP by Flow Cytometry HEK293 human embryonic kidney cell line transfected with (A) human OCTN2/SLC22A5 or (B) irrelevant protein, and eGFP was stained with Mouse Anti-Human OCTN2/SLC22A5 Monoclonal Antibody (Catalog # MAB11004) followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). Quadrant markers were set based on Mouse IgG2A Isotype Control (Catalog # MAB003, data not shown). Staining was performed using our Staining Membrane-associated Proteins protocol.

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

Polyspecific organic cation transporters in the liver, kidney, intestine, and other organs are critical for the elimination of many endogenous small organic cations as well as a wide array of drugs and environmental toxins. SLC22A5 is an integral plasma membrane protein which functions as an organic cation transporter and as a sodium-dependent high affinity carnitine transporter. Mutations in SLC22A5 are the cause of systemic primary carnitine deficiency (CDSP), an autosomal recessive disorder manifested early in life by hypoketotic hypoglycemia and acute metabolic decompensation, and later in life by skeletal myopathy or cardiomyopathy.

bio-techne®
Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956
USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373
Europe | Middle East | Africa TEL +44 (0)1235 529449