

Human OCTN1/SLC22A4 Antibody

Monoclonal Mouse IgG_{2A} Clone # 892147 Catalog Number: MAB10985

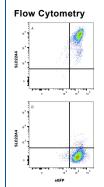
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human OCTN1/SLC22A4 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2A} Clone # 892147
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human SLC22A4 Accession # Q9H015
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

Place Note: Onlined dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website

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	Recommended Concentration	Sample
Flow Cytometry	0.25 μg/10 ⁶ cells	HEK293 Human Cell Line Transfected with Human OCTN1/SLC22A4 and eGFP

DATA



Detection of OCTN1/SLC22A4 in HEK293 Human Cell Line Transfected with Human OCTN1/SLC22A4 and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with (A) human OCTN1/SLC22A4 or (B) irrelevant protein, and eGFP was stained with Mouse Anti-Human OCTN1/SLC22A4 Monoclonal Antibody (Catalog # MAB10985) 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 are critical for elimination of many endogenous small organic cations as well as a wide array of drugs and environmental toxins. SLC22A4 is an organic cation transporter and integral plasma membrane protein containing eleven putative transmembrane domains as well as a nucleotide-binding site motif. Transport by SLC22A4 is at least partially ATP-dependent. SLC22A4 may play a role in Crohn's disease.

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