Human SLC22A2/OCT2
Alexa Fluor® 405-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 640438

Catalog Number: FAB6547V

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SLC22A2 in direct ELISAs.
Source	Monoclonal Mouse IgG_{2A} Clone # 640438
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human SLC-22A2 Accession # O15244
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	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.*

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10^6 cells	HEK293 Human Cell Line Transfected with Human SLC22A2/OCT2 and eGFP

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** • 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Solute carrier family 22 member 2 (SLC22A2; also hOCT2) is a 65 kDa member of the major facilitator superfamily and organic cation transporter family of proteins. Human SLC22A2 is synthesized as a multipass transmembrane protein that is 555 amino acids (aa) in length. Human SLC22A2 contains one potential site for N-linked glycosylation. There are also two additional isoforms for human SLC22A2. Isoform 2 has a 57 aa substitution for aa 427-483 and a deletion of the 72 aa at positions 484-555. Isoform 3 has an 18 aa substitution for aa 225-242 and a deletion of residues 243-555. SLC22A2 has its highest expression in the kidney. It is also expressed at lower levels in neurons of the cerebral cortex and in various subcortical nuclei.

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