

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
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.

Flow Cytometry	Titration recommended for optimal concentration with starting range of 0.1-1 µg/1 million cells. Sample used for this experiment was HEK293 Human Cell Line Transfected with Human OCTN1/SLC22A4 and eGFP
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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

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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