

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 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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. <ul style="list-style-type: none"> 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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