

#### DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human SLC22A1 in Western blots.
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # 609222
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	NS0 mouse myeloma cell line transfected with human SLC22A1 Met1-Thr554 Accession # NP_003048
<b>Conjugate</b>	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
<b>Formulation</b>	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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	HEK293 Human Cell Line Transfected with Human SLC22A1 and eGFP

#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

#### BACKGROUND

SLC22A1 (solute carrier family 22 member 1), also called OCT1, is a 554 amino acid (aa), 70-80 kDa 12-transmembrane glycoprotein of the SLC22 family of polyspecific organic cation transporters (OCT). SLC22A1 is expressed in epithelial cells and some neurons, with detection on hepatocyte sinusoidal membranes and enterocyte basolateral membranes. It transports selected cations bidirectionally and is inhibited by non-transported cations. Human SLC22A1 shares 78% aa identity with mouse and rat SLC22A1. In humans, three inactive isoforms of 506, 483 and 353 aa, lack C-terminal exons 5, 5 and 6, or 3 and 6, respectively.

#### PRODUCT SPECIFIC NOTICES

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