

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SLC12A5 in ELISAs and Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 905705
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human SLC12A5 Accession # Q9H2X9
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. See Certificate of Analysis for details. *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 embryonic kidney cell line transfected with human KCC2/SLC12A5 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 12 (potassium/chloride transporter), member 5 (SLC12A5) encodes KCC2, a multi-pass co-transporter for K⁺ and Cl⁻. KCC2/SLC12A5 is expressed on neurons, and is dysregulated in schizophrenia, spasticity, and affective disorders.

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