

Human KCC2/SLC12A5 Antibody

Monoclonal Mouse IgG₁ Clone # 905705 Catalog Number: MAB8369

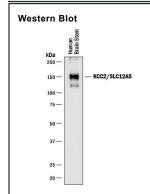
DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human SLC12A5 in ELISAs and Western blots.	
Source	Monoclonal Mouse IgG ₁ Clone # 905705	
Purification	Protein A or G purified from hybridoma culture supernatant	
Immunogen	NS0 mouse myeloma cell line transfected with human SLC12A5 Accession # Q9H2X9	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.	

APPLICATIONS

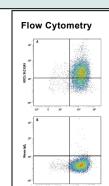
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	0.5 μg/mL	See Below
Flow Cytometry	2.5 μg/10 ⁶ cells	See Below

DATA



Detection of Human KCC2/SLC12A5 by Western Blot. Western blot shows lysates of human brain stem tissue. PVDF membrane was probed with 0.5 µg/mL of Mouse Anti-Human KCC2/SLC12A5 Monoclonal Antibody (Catalog # MAB8369) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for KCC2/SLC12A5 at approximately 150 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1



Detection of KCC2/SLC12A5 in HEK293 Human Cell Line Transfected with Human KCC2/SLC12A5 and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with human KCC2/SLC12A5 and eGFP was stained with either (A) Mouse Anti-Human KCC2/SLC12A5 Monoclonal Antibody (Catalog # MAB8369) or (B) Mouse IgG₁ Isotype Control (Catalog # MAB002) followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B).

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution

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.

