Human NHA2/SLC9B2 APC-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 896151

Catalog Number: FAB8404A

25 TESTS

DESCRIPTION

Species Reactivity	Human
Specificity	Detects HEK293 cells transfected with human NHA2/SLC9B2 by Flow Cytometry. Does not detect untransfected or irrelevant transfected HEK293 cells.
Source	Monoclonal Mouse IgG_{2B} Clone # 896151
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human NHA2/SLC9B2 Met1-Val537 Accession # NP_849155
Conjugate	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm
Formulation	Supplied 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.

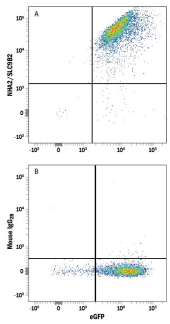
APPLICATIONS

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	10 µL/10^6 cells	See Below

DATA

Flow Cytometry



Detection of NHA2/SLC9B2 in HEK293 Human Cell Line Transfected with Human NHA2/SLC9B2 and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with human NHA2/SLC9B2 and eGFP was stained with either (A) Mouse Anti-Human NHA2/SLC9B2 APC-conjugated Monoclonal Antibody (Catalog # FAB8404A) or (B) Mouse IgG_{2B} Allophycocyanin Isotype Control (Catalog # IC0041A). View our protocol for Staining Membrane-associated Proteins.

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

NHA2/SLC9B2 (Solute Carrier family 9, subfamily B, member 2) is a member of the solute carrier family of multi-pass membrane proteins. Sodium hydrogen antiporters, such as SLC9B2 (NHA2), convert the proton motive force established by the respiratory chain or the F1F0 mitochondrial ATPase into sodium gradients that drive other energy-requiring processes, transduce environmental signals into cell responses, or function in drug efflux. SLC9B2 contributes to organellar volume homeostasis and is required for osteoclast differentiation and bone resorption activity.

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