Human Reduced Folate Carrier/SLC19A1 APC-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 890513

Catalog Number: FAB8450A

25 Tests

DESCRIPTION

Species Reactivity	Human
Specificity	Stains human Reduced Folate Carrier/SLC19A1 transfectants but not irrelevant transfectants in flow cytometry.
Source	Monoclonal Mouse IgG_{2A} Clone # 890513
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human Reduced Folate Carrier/SLC19A1 Met1-Gln591 Accession # P41440
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.

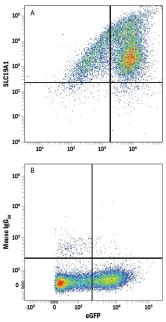
APPLICATIONS

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 Reduced Folate Carrier/SLC19A1 in HEK293 Human Cell Line Transfected with Human SLC19A1 and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with human SLC19A1 and eGFP were stained with either (A) Mouse Anti-Human Reduced Folate Carrier/SLC19A1 APC-conjugated Monoclonal Antibody (Catalog # FAB8450A) or (B) Mouse IgG_{2A} Allophycocyanin Isotype Control (Catalog # IC003A). 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

SLC19A1, also known as Reduced Folate Carrier protein, is a multi-pass transmembrane transporter that is involved in the regulation of intracellular concentrations of folate. There is an association between idiopathic Recurrent Spontaneous Abortion (RSA) and SLC19A1 polymorphisms that may be useful biomarkers for RSA risk. Three transcript variants encoding different isoforms have been found for this gene. Human and mouse SLC19A1 share only 58% amino acid (aa) sequence identity, with considerable divergence over the C-terminal 100 aa.

bio-techne®
Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956
USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373
Europe | Middle East | Africa TEL +44 (0)1235 529449