Human Reduced Folate Carrier/SLC19A1 Antibody

Monoclonal Mouse IgG_{2A} Clone # 890513

Catalog Number: MAB8450

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
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.

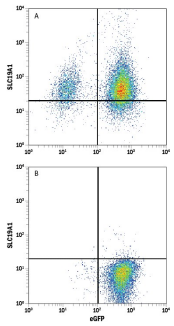
APPLICATIONS

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
Flow Cytometry	0.25 µg/10^6 cells	See Below

DATA

Flow Cytometry



Detection of Reduced Folate Carrier/SLC19A1 in HEK293 Human Cell Line Transfected with Human Reduced Folate Carrier/SLC19A1 and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line either (A) transfected with human Reduced Folate Carrier/SLC19A1 or (B) irrelevant transfectants and eGFP was stained with Mouse Anti-Human Reduced Folate Carrier/SLC19A1 Monoclonal Antibody (Catalog # MAB8450) followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). Quadrant markers were set based on control antibody staining (Catalog # MAB003).

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
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 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

SLC19A1, also known as, Reduced Folate Carriers, is a transmembrane transporter that is involved in the regulation of intracellular concentrations of folate. There is an association between idiopathic recurrent spontaneous abortion (RSA) and 3 SLC19A1 polymorphisms that may be useful biomarkers for RSA risk. Three transcript variants encoding different isoforms have been found for this gene.

bio-techne
bio-techne.com
Global info@bio-techne.com techsupport@bio-techne.com
North America TEL 800 343 7475 Europe | Middle East | Africa TEL +44 (0)1235 529449
China info.cn@bio-techne.com TEL +86 (21) 52380373
Rest of World bio-techne.com/find-us/distributors TEL +1 612 379 2956