

Human Reduced Folate Carrier/SLC19A1 Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 890513

Catalog Number: FAB8450G

100 µg

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	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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 Reduced Folate Carrier/SLC19A1 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

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.

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