Datasheet for ABIN7043677

anti-SLC16A1 antibody (6th Extracellular Loop) (FITC)

2 Images

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Overview

Quantity:	50 µL
Target:	SLC16A1
Binding Specificity:	6th Extracellular Loop, AA 403-415
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC16A1 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)GRLNDMYGDYKYT, corresponding to amino acid residues 403-415 of rat MCT1
Isotype:	IgG
Characteristics:	Anti-MCT1 (SLC16A1) (extracellular) Antibody (ABIN7043676, ABIN7044614 and ABIN7044615)) is a highly specific antibody directed against an epitope of rat Monocarboxylate transporter 1. The antibody can be used in western blot, immunohistochemistry, and indirect live cell flow cytometry applications. It has been designed to recognize MCT1 from rat, mouse, and human samples. \nAnti-MCT1 (SLC16A1) (extracellular)-FITC Antibody (ABIN7043676, ABIN7044614 and ABIN7044615)-F) is directly conjugated to fluorescein isothiocyanate (FITC). The antibody can be used in immunofluorescent applications such as direct live cell flow cytometry.

Product Details

Purification:	Affinity purified on immobilized antigen.

Target Details

Target:	SLC16A1
Alternative Name:	MCT1 (SLC16A1) (SLC16A1 Products)
Background:	Alternative names: MCT1 (SLC16A1), Monocarboxylate transporter 1, Monocarboxylic acid transporter 1
Gene ID:	25027
NCBI Accession:	NM_003051
UniProt:	P53987
Pathways:	Warburg Effect

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

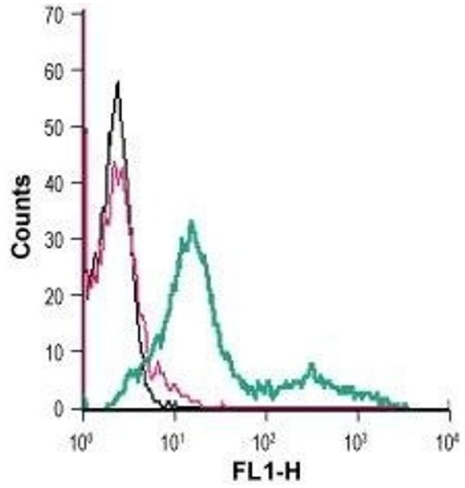
Handling

Format:	Lyophilized
Reconstitution:	15 µL or 50 µL double distilled water (DDW), depending on the sample size.
Concentration:	1 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C, protected from the light, for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid

Handling

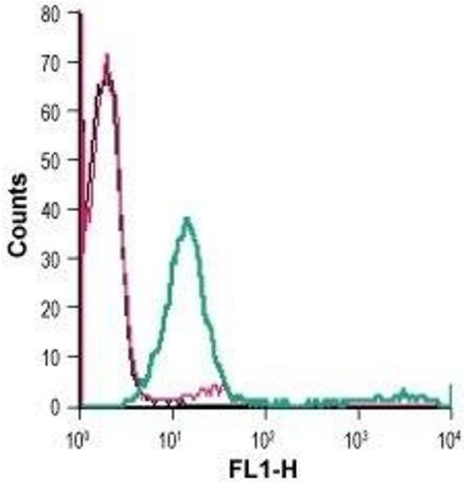
multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

Images



Flow Cytometry

Image 1. Cell surface detection of monocarboxylate transporter 1 in live intact mouse TK-1 T-cell lymphoma cells: (black line) Cells.(red line) Cells + Rabbit IgG isotype control-FITC. (green line) Cells + Anti-MCT1 (SLC16A1) (extracellular)-FITC Antibody (ABIN7043677, ABIN7045587, ABIN7045588, ABIN7045589 and ABIN7045590), (5 µg).



Flow Cytometry

Image 2. Cell surface detection of monocarboxylate transporter 1 in live intact human Jurkat T-cell leukemia cells: (black line) Cells.(red line) Cells + Rabbit IgG isotype control-FITC. (green line) Cells + Anti-MCT1 (SLC16A1) (extracellular)-FITC Antibody (ABIN7043677, ABIN7045587, ABIN7045588, ABIN7045589 and ABIN7045590), (5 µg).