Human SLC7A5/LAT1
Alexa Fluor® 594-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # BU53

Catalog Number: FAB10390T

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects Human SLC7A5/LAT1 in direct ELISAs.
Source	Monoclonal Mouse IgG_{2A} Clone # BU53
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Plasma cell line 8226 Accession # Q01650
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. *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	Raji human Burkitt lymphoma cell line

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

Human Large neutral amino acids transporter small subunit 1, also known as SLC7A5, CD98 Light Chain (CD98LC), 4F2 light chain and LAT1 belongs to the APC (Amino acid-Polyamine-organo Cation) superfamily and forms a heterodimer with SLC3A2 to function as sodium-independent, high-affinity transporter that mediates uptake of large neutral amino acids such as phenylalanine, tyrosine, L-DOPA, leucine, histidine, methionine and tryptophan.

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