

DESCRIPTION

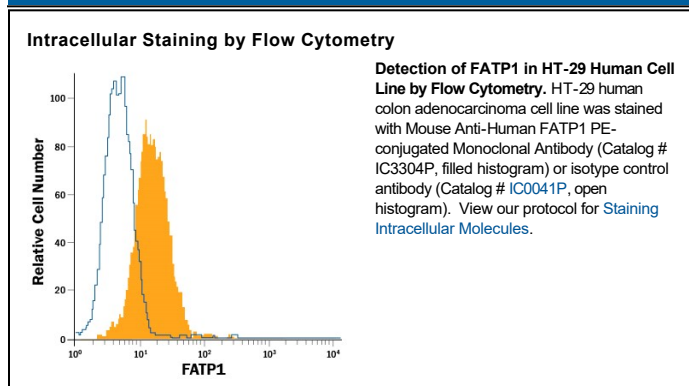
Species Reactivity	Human
Specificity	Detects human FATP1 in cell transfectants but not non-transfected parent cells in flow cytometry.
Source	Monoclonal Mouse IgG _{2B} Clone # 308420
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human FATP1 Met1-Leu646 Accession # Q6PCB7
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 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
Intracellular Staining by Flow Cytometry	10 µL/10 ⁶ cells	See Below

DATA



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

FATP1 (Fatty Acid Transport Protein 1), also known as SLC27A1, is a 63-64 kDa protein that belongs to the ATP-dependent AMP-binding enzyme family. A type I transmembrane protein, FATP1 is one of six mammalian FATPs that catalyze an ATP-dependent esterification of long-chain fatty acids. FATP1 is expressed in cells with high rates of fatty acid uptake for storage of energy, principally in brown and white adipocytes, plus skeletal muscle myocytes. FATP1 likely functions as a homodimer, and is found in multiple locations such as cytoplasm, in intracellular membranes, and in the plasma membrane in response to insulin (in adipocytes). Full length FATP1 (amino acids 1-646) shares 89% amino acid sequence identity with mouse FATP1.