# Human FATP4 Antibody

Monoclonal Mouse $IgG_{2B}$ Clone # 342142

Catalog Number: MAB3650

## DESCRIPTION

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|---|---|
| **Species Reactivity** | Human |
| **Specificity** | Detects human FATP4. Stains human FATP4-transfected cells but not irrelevant transfectants. |
| **Source** | Monoclonal Mouse $IgG_{2B}$ Clone # 342142 |
| **Purification** | Protein A or G purified from hybridoma culture supernatant |
| **Immunogen** | NS0 mouse myeloma cell line transfected with human FATP4<br>Met1-Leu643<br>Accession # Q6P1M0 |
| **Formulation** | Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.<br>*Small pack size (-SP) is supplied either lyophilized or 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 | WS-1 human fetal skin fibroblast cell line |
| **CyTOF-ready** | Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation. | |

## PREPARATION AND STORAGE

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| **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.<br>*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.**<br>● 12 months from date of receipt, -20 to -70 °C as supplied.<br>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.<br>● 6 months, -20 to -70 °C under sterile conditions after reconstitution. |

## BACKGROUND

FATP4 is a multipass transmembrane protein that participates in the uptake and metabolism of long chain fatty acids. FATP4 is predominantly expressed in the central nervous system, intestine, heart, liver, and pancreas. It has acyl-CoA synthase activity and contains an AMP-binding motif. Polymorphisms of FATP4 are associated with insulin resistance and related metabolic disorders. Human FATP4 shares 92% amino acid sequence identity with mouse FATP4.



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