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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Monocarboxylate Transport 2 Blocking Peptide

BACKGROUND

Functions as a proton-linked monocarboxylate transporter and catalyzes the rapid transport across the plasma membrane of many monocarboxylates such as lactate, pyruvate, branched-chain oxo acids derived from leucine, valine and isoleucine, and the ketone bodies acetoacetate, beta-hydroxybutyrate and acetate. MCT2 is a very high affinity pyruvate transporter. MCT2 is a cell membrane; Multi-pass membrane protein with high expression in testis, moderate to low expression in spleen, heart, kidney, pancreas, skeletal muscle, brain and leukocytes. The normal expression of MCT2 is restricted to low levels of expression in normal tissues, but is widely expressed in cancer cells.

ORDERING INFORMATION

CATALOG NUMBER

X2372B

SIZE

50 μ g

CUSTOMER STORAGE

Product should be stored at -20°C.
Aliquot to avoid freeze/thaw cycles

FORMULATION

Provided as solution in phosphate buffered saline

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STABILITY

Products are stable for one year from purchase when stored properly

COMMENTS

For use with Monocarboxylate Transport 2 polyclonal antibodies (Cat. No. X2368P & X2371P).

INSTRUCTIONS

Incubate antibody neat with at least a 50 fold stoichiometric excess of blocking peptide at 37 deg C for 20 minutes (molecular weights of peptide and antibody are ~2.5 kDa and ~160 kDa, respectively). Antibody can then be diluted to a concentration suitable for Western blot.

Example: 10 μ l or 10 μ g of Exalphi's rabbit anti-MCT2 (Cat. No. X2371P) is added to 10 μ g of blocking peptide for a total volume of 20 μ l. The mixture is allowed to incubate for 20 minutes at 37 deg C prior to dilution in suitable buffer (for Western blot, etc.).