

## Product datasheet

# Anti-MCT1/Monocarboxylic acid transporter 1 antibody ab90582

★★★★☆ [9 Abreviews](#) [22 References](#) [2 Images](#)

### Overview

<b>Product name</b>	Anti-MCT1/Monocarboxylic acid transporter 1 antibody
<b>Description</b>	Mouse polyclonal to MCT1/Monocarboxylic acid transporter 1
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.40 Constituent: 100% PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab90582 in the following tested applications.

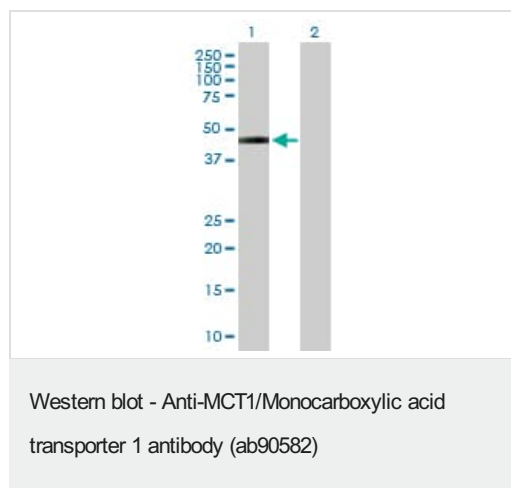
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF	★★★★★ (2)	Use a concentration of 10 µg/ml.
WB	★★★★★ (3)	Use a concentration of 1 µg/ml. Predicted molecular weight: 54 kDa.

## Target

<b>Function</b>	Proton-linked monocarboxylate transporter. 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.
<b>Tissue specificity</b>	Widely expressed in normal and in cancer cells.
<b>Involvement in disease</b>	Symptomatic deficiency in lactate transport Familial hyperinsulinemic hypoglycemia 7
<b>Sequence similarities</b>	Belongs to the major facilitator superfamily. Monocarboxylate porter (TC 2.A.1.13) family.
<b>Cellular localization</b>	Cell membrane.

## Images



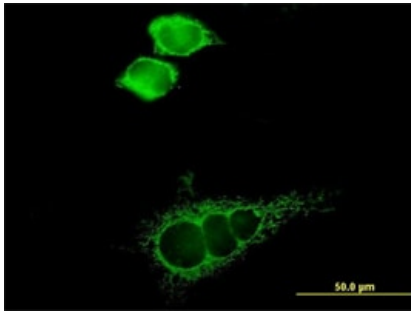
**All lanes :** Anti-MCT1/Monocarboxylic acid transporter 1 antibody (ab90582) at 1 µg/ml

**Lane 1 :** Monocarboxylic acid transporter 1- transfected 293T cell lysate

**Lane 2 :** Non-transfected lysate

Lysates/proteins at 25 µg per lane.

**Predicted band size:** 54 kDa



ab90582 at 10μg/ml staining Monocarboxylic acid transporter 1 in HeLa cells by Immunofluorescence.

Immunocytochemistry/ Immunofluorescence - Anti-MCT1/Monocarboxylic acid transporter 1 antibody (ab90582)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### Our Abpromise to you: Quality guaranteed and expert technical support

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors