

# Anti-MetRS/MARS antibody [MARSD10B4] $\alpha$ b50793

[7 References](#) [6 Images](#)

## Overview

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<b>Product name</b>	Anti-MetRS/MARS antibody [MARSD10B4]
<b>Description</b>	Mouse monoclonal [MARSD10B4] to MetRS/MARS
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, Flow Cyt, ICC/IF, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Recombinant fragment corresponding to Human MetRS/MARS aa 50-200 (C terminal).
<b>Positive control</b>	WB: NIH3T3 whole cell, HeLa whole cell and F2408 whole cell lysates. IP: RIPA lysate of HeLa cells. ICC: HeLa cell. Flow Cyt: Hela cells.
<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

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.05% Sodium azide Constituents: 0.03% Potassium phosphate, 0.1312% Sodium phosphate, 1% BSA
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	Ab50793 was filtered through an 0.22 $\mu$ m membrane.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	MARSD10B4
<b>Isotype</b>	IgG1

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab50793 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
WB		1/100. Detects a band of approximately 101 kDa (predicted molecular weight: 101 kDa).
Flow Cyt		1/10. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
ICC/IF		1/10.
IP		Use at 5 µg/mg of lysate.

## Target

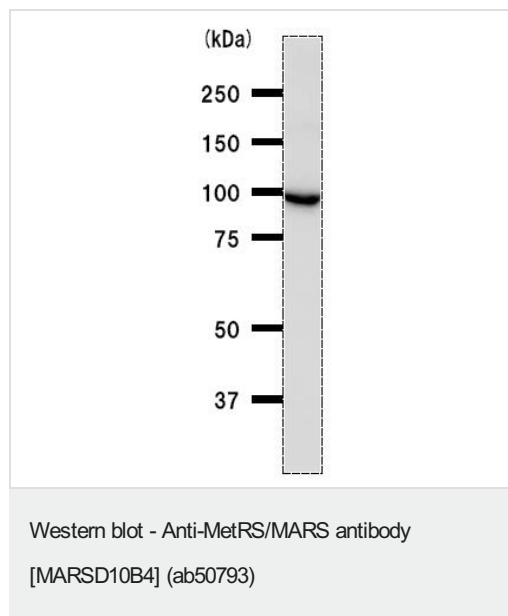
### Sequence similarities

Belongs to the class-I aminoacyl-tRNA synthetase family.  
Contains 1 GST C-terminal domain.  
Contains 1 WHEP-TRS domain.

### Cellular localization

Cytoplasm.

## Images



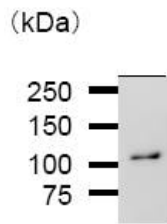
Anti-MetRS/MARS antibody [MARSD10B4] (ab50793) at 1/100 dilution + HeLa whole cell lysate at 50 µg

### Secondary

Mouse IgG antibody at 1/2500 dilution

**Predicted band size:** 101 kDa

**Observed band size:** 98 kDa

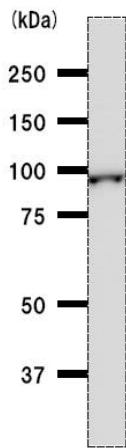


Immunoprecipitation - Anti-MetRS/MARS antibody [MARSD10B4] (ab50793)

Immunoprecipitation from 200ug RIPA lysate of HeLa cells using 5ug of ab50793. Visualized by Western Blot using ab50793 at 1/100 dilution, anti-mouse IgG secondary 1/1000 and ECL detection.

Anti-MetRS/MARS antibody [MARSD10B4] (ab50793) at 5  $\mu$ g + RIPA lysate of HeLa cells at 200  $\mu$ g

**Observed band size:** 110 kDa



Western blot - Anti-MetRS/MARS antibody [MARSD10B4] (ab50793)

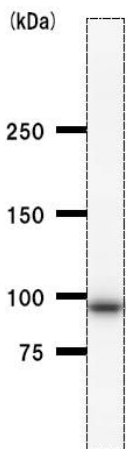
Anti-MetRS/MARS antibody [MARSD10B4] (ab50793) at 1/100 dilution + NIH3T3 whole cell lysate at 50  $\mu$ g

**Secondary**

Mouse IgG antibody at 1/2500 dilution

**Predicted band size:** 101 kDa

**Observed band size:** 98 kDa



Western blot - Anti-MetRS/MARS antibody [MARSD10B4] (ab50793)

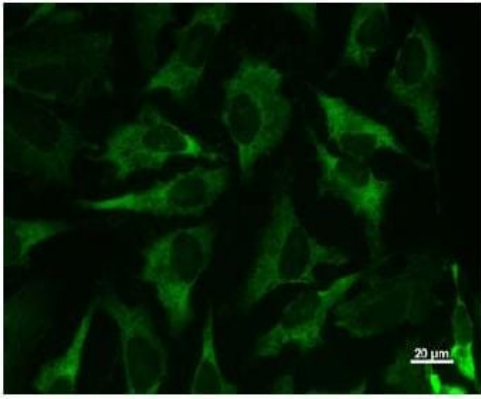
Anti-MetRS/MARS antibody [MARSD10B4] (ab50793) at 1/100 dilution + F2408 whole cell lysate at 50  $\mu$ g

**Secondary**

Mouse IgG antibody

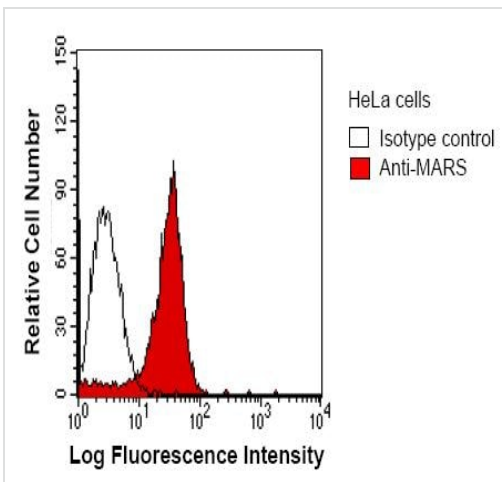
**Predicted band size:** 101 kDa

**Observed band size:** 98 kDa



Immunocytochemistry/ Immunofluorescence - Anti-MetRS/MARS antibody [MARSD10B4] (ab50793)

Ab50793, at a dilution of 1/10, staining MetRS/MARS in HeLa cell by Immunocytochemistry/Immunofluorescence. AlexaFluor®488 Goat anti-mouse IgG was used as the secondary antibody at a dilution of 1/200.



Flow Cytometry - Anti-MetRS/MARS antibody [MARSD10B4] (ab50793)

Ab50793, at a dilution of 1/10, staining MetRS/MARS in HeLa cells by Flow Cytometry. AlexaFluor®488 Goat anti-mouse IgG was used as the secondary antibody at a dilution of 1/400.

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