

Datasheet for ABIN933099
anti-Mars (MARS) antibody



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3 Images

Overview

| | |
|--------------|--|
| Quantity: | 100 µg |
| Target: | Mars (MARS) |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | Un-conjugated |
| Application: | Western Blotting (WB), Immunoprecipitation (IP), Immunocytochemistry (ICC), Flow Cytometry (FACS), Dot Blot (DB) |

Product Details

| | |
|-----------------------------|--|
| Immunogen: | MARS antibody was raised in mouse using recombinant Methionine-Trna Synthetase |
| Clone: | MARSD10B4 |
| Isotype: | IgG1 |
| Cross-Reactivity: | Human, Mouse (Murine), Rat (Rattus) |
| Cross-Reactivity (Details): | Other species not studied. |
| Purification: | Protein G affinity chromatography |

Target Details

| | |
|-----------|-------------------------------|
| Target: | Mars (MARS) |
| Abstract: | MARS Products |

Target Details

Background: Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. The protein encoded by this gene belongs to the class I family of tRNA synthetases. Synonyms: Monoclonal MARS antibody, Anti-MARS antibody, Methionyl-tRNA synthetase antibody, MTRNS antibody, METRS antibody.

Application Details

Application Notes: WB: 0.2-2 µg/mL, IP: 100-500 µg/sample, FC: 0.5-2 µg/sample, ICC: 2-100 µg/mL
Optimal conditions should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: Lot specific

Buffer: MARS antibody in PBS (3.0 mM KCl, 1.5 mM KH₂ PO₄, 140 mM NaCl, 8.0 mM Na₂ HPO₄ (pH 7.4)) containing 1 % bovine serum albumin (BSA) and 0.05 % sodium azide (NaN₃).

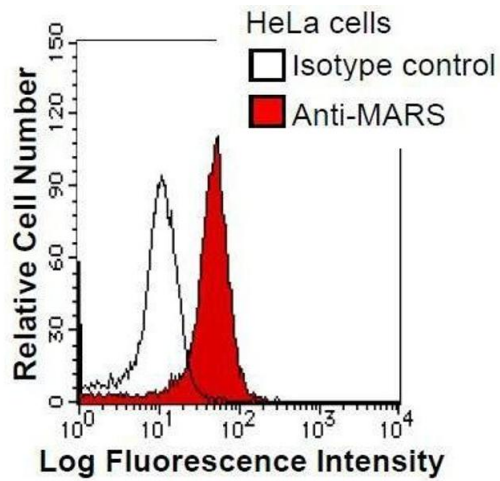
Preservative: Sodium azide

Precaution of Use: This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze/thaw cycles.
Dilute only prior to immediate use.

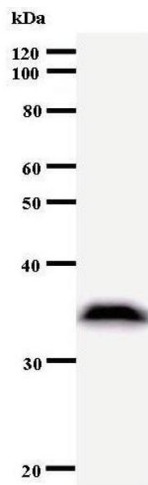
Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for up to one year. We recommend long term storage at -20 °C.



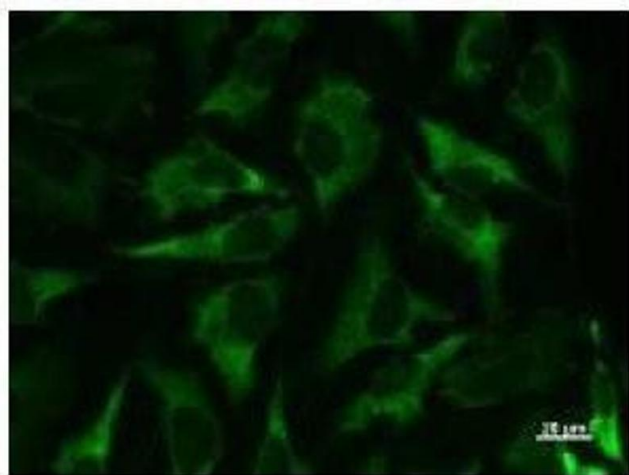
Flow Cytometry

Image 1. HeLa cells were fixed in 2% paraformaldehyde/PBS and then permeabilized in 90% methanol. Cells were stained with anti-MARS antibody (shaded) or isotype control (unshaded) followed by Alexa Fluor 488 conjugated goat anti-mouse IgG.



Western Blotting

Image 2.



Immunofluorescence

Image 3. Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.01% Triton-X100 in PBS. The cells were immunostained with anti-MARS antibody.