

Catalog No. BMR 00228

Mouse monoclonal antibody **Anti-Human NARS**

■ Formulation

Mouse monoclonal anti-human **NARS** antibody in PBS (3.0 mM KCl, 1.5 mM KH₂PO₄, 140 mM NaCl, 8.0 mM Na₂HPO₄ (pH 7.4)) containing 1% bovine serum albumin (BSA) and 0.05% sodium azide (NaN₃).

■ Antibody concentration

100 µg/ml (1.0 ml)

■ Storage

Store at 2-8°C for up to one year.
We recommend storing at -20°C for long-term storage.
Avoid repeat freezing and thawing cycles.

■ Preparation

This antibody was purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum.

■ Sterility

Filtered through a 0.22 µm membrane.

■ Applications

Please visit our website at <http://www.biomatrix.co.jp/>.

■ Disposal

This antibody solution contains sodium azide (NaN₃) as a preservative. There is a potential hazard that NaN₃ reacts with copper or lead to produce an explosive compound. For safe disposal, the vial has to be washed thoroughly with water.

■ Safety warnings and precautions

Caution must be taken to avoid contact with skin or eyes. In such a case, rinse thoroughly at once with water. Do not ingest, inhale, or swallow. Seek medical attention immediately.

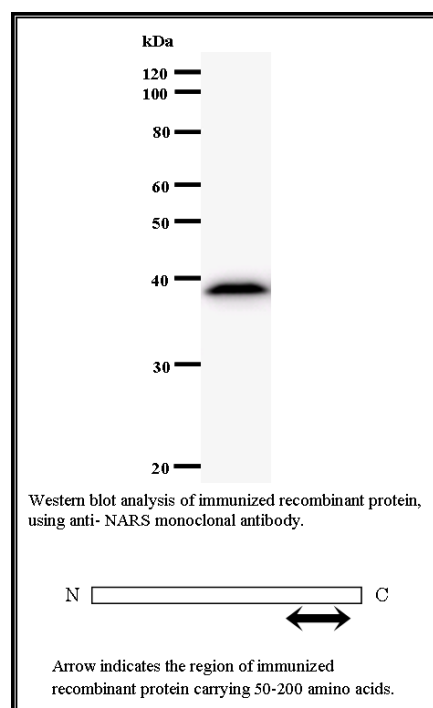
Wear appropriate protective clothing such as laboratory overalls, safety glasses and gloves.

It is strongly advised that this product should be handled by people who have been well trained in laboratory techniques and that it is handled with care pursuant to the principles of good laboratory practice.

All chemicals are deemed potentially harmful.

The vial is prone to fall over. Use caution, especially when the lid is off.

Lot No. **NARS2G5-3**
Clone No. **NARS2G5**
Antibody class : **IgG1**
Immunogen : **Recombinant**



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Mouse monoclonal antibody **Anti-Human NARS**

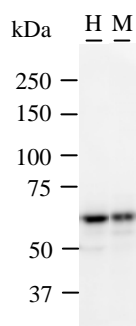
■ Background

Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. Asparaginyl-tRNA synthetase is localized to the cytoplasm and belongs to the class II family of tRNA synthetases. The N-terminal domain represents the signature sequence for the eukaryotic asparaginyl-tRNA synthetases. [NCBI Entrez Gene Summary]

■ Recommended condition

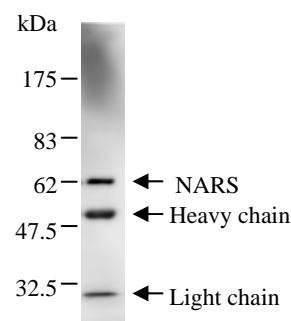
WB: 0.2-2 µg/ml IP: 100-500 µg/sample ICC: 2-100 µg/ml

■ Application

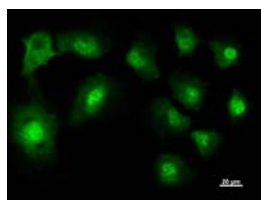


Detection of NARS by Western blot.
Samples: Whole cell lysate from human HT1080 (H, 25 µg) and mouse NIH3T3 (M, 25 µg) cells. [Lot No. NARS2G5-3]

Predicted molecular weight: 62 kDa



Immunoprecipitation: RIPA lysate of HT1080 cells was incubated with anti-NARS mAb. [Lot No. NARS2G5-1]



Immunostaining analysis in HT1080 cells. HT1080 cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100 in PBS. The cells were immunostained with anti-NARS mAb. [Lot No. NARS2G5-1]