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Product Name

Monoclonal Human anti-arginyl-tRNA synthetase
Immunoglobulin

CAT No.

MQR 2.4201-100

LOT No.

19049

Quantity

100 µg

Edition: September 11, 2019

Intended use

This product is for research use only. NOT for use in diagnostic or therapeutic procedures.

This product is tested for use in enzyme-linked immunosorbent assay (ELISA).

Reagent provided

The antibody is supplied in PBS.

Isotype

Human IgG1k

Immunogen

Arginyl-tRNA synthetase. Domain: T79-M669 of 660.

Specificity

Specificity has been tested in ELISA (figure 1).

Purity

Protein A purified.

Disclaimer

The antibody is for R&D use only. NOT for use in diagnostic or therapeutic procedures.

Precautions

1. For professional users.
2. As with any product derived from biological sources, proper handling procedures should be used.
3. The product may be used in different techniques and in combination with different sample types and materials, therefore each individual laboratory should validate the applied test system.

Preparation of the antibody

Use antibody as supplied.

Storage/Stability

Store at -20°C. After first time use, store at 4°C. Avoid repeated freeze-thaw cycles.

Application guidelines

ELISA: 1:1000 – 1:5000

Other applications: since applications vary, optimum working dilution of the product should be determined in the appropriate assay.

Unless the stability in the actual test system has been established, it is recommended to dilute the product immediately before use.

Relevance

Forms part of a macromolecular complex that catalyzes the attachment of specific amino acids to cognate tRNAs during protein synthesis. Modulates the secretion of AIMP1 and may be involved in generation of the inflammatory cytokine EMAP2 from AIMP1.¹

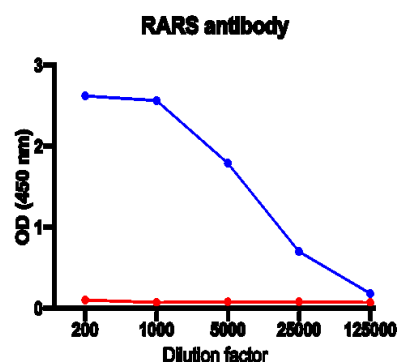


Figure 1: Specificity of anti-RARS (MQR2.4201), determined by ELISA. Antibody stock 0.63 mg/ml diluted in PBS containing 0.05% tween-20 and 1% BSA was tested on human Arginyl-tRNA synthetase (in blue) and non-target protein (in red).

References

- 1) <https://www.uniprot.org/uniprot/P54136>