

Anti-TDRD3 Recombinant Mouse Monoclonal Antibody

Publication Number. MAN0006658

Rev. 2.00

Catalog Number: 730004

Store at 2°C to 8°C (short-term), or -20°C (long-term)

Clonality: Monoclonal
Concentration: 0.5 mg/mL
Quantity: 100 µg
Volume: 200 µL

Host/Class: Mouse IgG1
Reactivity: Human TDRD3
Predicted Reactivity: Human

Product Description

The Tudor domain-containing protein 3 (TDRD3) is a scaffolding protein that specifically recognizes and binds dimethylarginine-containing proteins. In the nucleus, TDRD3 is a transcriptional coactivator that binds to histone tails at dimethylated arginine residues and recruits proteins at these loci. In the cytoplasm, TDRD3 regulates translation of target mRNAs by binding dimethylarginine-containing proteins, and it is found as a component of mRNA stress granules in response to various cellular stresses.

This antibody was developed against a fully folded protein domain, so it does not show good reactivity against denatured proteins, and may not work in western blot applications.

Product Specifications

Immunogen: Folded protein domain corresponding to amino acids 554–616 (Tudor domain) of human TDRD3
Predicted MW: 73.19 kDa
Gene ID: 81550
Protein Accession No.: Q9H7E2
Sequence Identity: Human
Lot: See product label

Product Applications

| Application | Species | Test Material | Concentration |
|---------------------|---------|---------------|---------------|
| Immunoprecipitation | Human | HEK293 | 2 µg per IP |

Storage and Handling

Store the antibody at 2°C to 8°C for up to 1 month, -20°C for long storage. Avoid repeated freezing and thawing.

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

Storage Buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.

Caution: Sodium azide is an extremely toxic and dangerous compound particularly when combined with acids or metals. Properly dispose of solutions containing sodium azide.

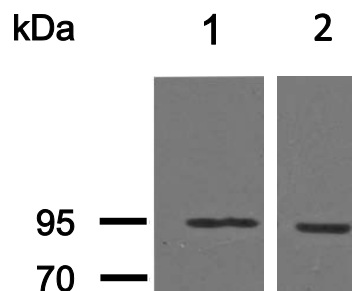


Figure 1 Immunoprecipitation analysis using Anti-TDRD3 Recombinant Mouse Monoclonal Antibody (Cat. no. 730004) followed by Western Blot detection.

Immunoprecipitation was performed on HEK293 cells overexpressing flag-tagged TDRD3 protein. Western blot using an anti-flag antibody was performed on the raw lysate (lane 1) and immunoprecipitated protein (lane 2) to evaluate the results of immunoprecipitation.

For research use only. Not for use in diagnostic procedures.

Manufacturing Site • 7335 Executive Way • Frederick • MD 21704 • E-mail: techsupport@lifetech.com

Product Documentation

To obtain a Certificate of Analysis or Safety Data Sheets (SDSs), visit www.lifetechnologies.com/support.








Related Products

| Product Name | Quantity | Catalog No. |
|--|----------|-------------|
| iBlot® Dry Blotting System | 1 unit | IB1001 |
| WesternBreeze® Chromogenic Kit Anti-Rabbit | 1 kit | WB7105 |
| WesternBreeze® Chemiluminescent Kit, Anti-Rabbit | 1 kit | WB7106 |

Limited Product Warranty

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Explanation of symbols

| Symbol | Description | Symbol | Description | Symbol | Description |
|---|------------------------------|---|---|---|-------------|
|  | Manufacturer |  | Catalog number |  | Batch code |
|  | Use by |  | Temperature limitation | | |
|  | Consult instructions for use |  | Caution, consult accompanying documents | | |

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