

## Datasheet: MCA5071Z

<b>Description:</b>	MOUSE ANTI HUMAN TDP43:Preservative Free
<b>Specificity:</b>	TDP43
<b>Other names:</b>	TARDBP
<b>Format:</b>	Preservative Free
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	2E2-D3
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.1 mg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin	▪			0.1 - 10 ug/ml
Western Blotting	▪			0.1 - 10 ug/ml
Immunofluorescence	▪			0.1 - 10 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from ascites
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	Ig concentration 0.5 mg/ml
<b>Immunogen</b>	Recombinant protein corresponding to aa 1-261 of human TDP43

**External Database  
Links**

**UniProt:**

[Q13148](#)    [Related reagents](#)

**Entrez Gene:**

[23435](#)    TARDBP    [Related reagents](#)

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**Synonyms**

TDP43

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**RRID**

AB\_2255740

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**Fusion Partners**

Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.

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**Specificity**

**Mouse anti Human TDP43 antibody, clone 2E2-D3** recognizes human TAR DNA-binding protein 43, also known as TDP43. TDP43 is a 414 amino acid ~45 kDa regulator of transcription and splicing.

Two isoforms of TDP43 generated by alternative splicing have been described. Mouse anti Human TDP43 antibody, clone 2E2-D3 binds to the canonical isoform 1. Binding to the truncated isoform 2 which lacks a significant portion of the immunogen sequence used to generate clone 2E2-D3 has not been established.

Mutations in the TDP43 gene can result in the development of Amyotrophic lateral sclerosis 10 ([ALS10](#)), A neurodegenerative disorder affecting upper motor neurons in the brain and lower motor neurons in the brainstem and spinal cord, resulting in fatal paralysis ([Yokoseki \*et al.\* 2008](#)).

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**Storage**

Store at -20°C only.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**

12 months from date of despatch

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10162 available at:  
10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>

Goat Anti Mouse IgG (STAR76...)

[RPE](#)

Goat Anti Mouse IgG (H/L) (STAR117...)

[Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),  
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),  
[FITC](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR13...)

[HRP](#)

Goat Anti Mouse IgG (Fc) (STAR120...)

[FITC](#), [HRP](#)

## Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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