

Datasheet: MCA5071Z

BATCH NUMBER 170815

Description:	MOUSE ANTI HUMAN TDP43:Preservative Free
Specificity:	TDP43
Other names:	TARDBP
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	2E2-D3
Isotype:	IgG1
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	Ig concentration 0.5 mg/ml

Immunogen	Recombinant protein corresponding to aa 1-261 of human TDP43
External Database Links	<p>UniProt: Q13148 Related reagents</p> <p>Entrez Gene: 23435 TARDBP Related reagents</p>
Synonyms	TDP43
RRID	AB_2255740
Fusion Partners	Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.
Specificity	<p>Mouse anti Human TDP43 antibody, clone 2E2-D3 recognizes human TAR DNA-binding protein 43, also known as TDP43. TPD43 is a 414 amino acid ~45 kDa regulator of transcription and splicing.</p> <p>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.</p> <p>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).</p>
Storage	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10162 available at: https://www.bio-rad-antibodies.com/SDS/MCA5071Z</p> <p>10162</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
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 (STAR9...) [FITC](#)

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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

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