

Datasheet: MCA5071Z

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	UniProt: Q13148 Related reagents Entrez Gene:

Synonyms	TDP43
Fusion Partners	Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.
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).
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.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG1 (HCA036...)	HRP

Recommended Negative Controls

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

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