Datasheet: MCA3510Z

Description:	MOUSE ANTI HUMAN p53:Preservative Free
Specificity:	p53
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	2C3
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 (1)	▪			0.1 - 10 ug/ml
Western Blotting	▪			
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.

(1)**This product requires antigen retrieval using heat treatment prior to staining of paraffin sections.Sodium citrate buffer pH 6.0 is recommended for this purpose.**

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 94-202 of human TP53
External Database Links	**UniProt:** P04637 Related reagents **Entrez Gene:**

7157 TP53 Related reagents

Synonyms	P53
Fusion Partners	Spleen cells from immunized Balb/c mice were fused with cells from the Sp2/0 myeloma cell line.
Specificity	**Mouse anti Human p53 antibody, clone 2C3** recognizes human Cellular tumor antigen p53, also known as p53, TP53, Antigen NY-CO-13, Phosphoprotein p53 or Tumor suppressor p53. p53 is a 393 amino acid tumor suppressor inducing growth arrest or apoptosis depending on cell type and physiological circumstances. Multiple isoforms of p53 have been described formed by alternative splicing or promoter usage. The immunogen sequence fused for the generation of Mouse anti Human p53 antibody, clone 2C3 is present in isoforms 1-5 but is partially absent in isoforms 6-9. Binding to the canonical isoform 1 has been established but binding to other isoforms has not been ascertained. Mutations in the TP53 gene have been noted noted in a wide range of cancers including Esophageal cancer (ESCR), Li-Fraumeni syndrome (LFS), squamous cell carcinoma of the head and neck (HNSCC), Lung cancer (LNCR) and papilloma of choroid plexus (CPP), Adrenocortical cancer (ADCC) and Basal cell carcinoma 7 (BCC7).
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 available at: Material Safety Datasheet Documentation #10162 available at: 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
Rabbit Anti Mouse IgG (STAR13...)	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

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

North & South America Tel: +1 800 265 7376
Fax: +1 919 878 3751
Email: antibody_sales_us@bio-rad.com

Worldwide Tel: +44 (0)1865 852 700
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