

Datasheet: MCA2336

BATCH NUMBER 146862

Description:	MOUSE ANTI DAZL
Specificity:	DAZL
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	3/11A
Isotype:	IgG1
Quantity:	2 ml

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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			
Immunofluorescence	▪			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody 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

Species Cross Reactivity

Reacts with: Mouse, Rat, Cynomolgus monkey

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Tissue Culture Supernatant - liquid

Preparation	Tissue Culture Supernatant containing 0.1M Tris/HCl
Preservative Stabilisers	0.09% Sodium Azide
Immunogen	Synthetic peptide corresponding to sequence within the C terminal domain of human DAZL (CRVHHFRRSRAMLKSV).
External Database Links	<p>UniProt: Q92904 Related reagents</p> <p>Entrez Gene: 1618 DAZL Related reagents</p>
Synonyms	DAZH, DAZL1, DAZLA, SPGYLA
RRID	AB_2292585
Fusion Partners	Spleen cells from immunised T/O outbred mice were fused with cells of the SP2/0 myeloma cell line.
Specificity	<p>Mouse anti Human DAZL antibody, clone 3/11A recognizes human Deleted in azoospermia-like, also known as DAZL, DAZ homolog, DAZ-like autosomal, Deleted in azoospermia-like 1 or SPGY-like-autosomal. DAZL is a 295 amino acid ~33 kDa member of the DAZ (deleted in azoospermia) family of RNA binding proteins. DAZL is expressed in fetal and adult testes and ovaries, and is believed to play a role in germ cell development. In adult germ cells, the expression of DAZL is predominantly localized to the cytoplasm.</p> <p>Mutations in this gene have been linked to severe spermatogenic failure and infertility in males (Lin et al. 2001)</p>
Histology Positive Control Tissue	Ovary or testis.
References	<ol style="list-style-type: none"> Forand, A. & Bernardino-Sgherri, J. (2009) A critical role of PUMA in maintenance of genomic integrity of murine spermatogonial stem cell precursors after genotoxic stress. Cell Res. 19: 1018-30. Elkin, N.D. (2010) Toxicant-induced leakage of germ cell-specific proteins from seminiferous tubules in the rat: relationship to blood-testis barrier integrity and prospects for biomonitoring. Toxicol Sci.117: 439-48. Barrios, F. et al. (2010) Opposing effects of retinoic acid and FGF9 on Nanos2 expression and meiotic entry of mouse germ cells. J Cell Sci. 123: 871-80. Forand, A. et al. (2009) Similarities and differences in the <i>in vivo</i> response of mouse neonatal gonocytes and spermatogonia to genotoxic stress. Biol Reprod. 80: 860-73. Anderson, R.A. et al. (2007) Conserved and divergent patterns of expression of DAZL, VASA and OCT4 in the germ cells of the human fetal ovary and testis. BMC Dev Biol. 7: 136. Aoki, T. and Takada, T. (2012) Bisphenol A modulates germ cell differentiation and

- retinoic acid signaling in mouse ES cells. [Reprod Toxicol. 34: 463-70.](#)
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 16. Endo, T. *et al.* (2015) Periodic retinoic acid-STRA8 signaling intersects with periodic germ-cell competencies to regulate spermatogenesis. [Proc Natl Acad Sci U S A. 112 \(18\): E2347-56.](#)
 17. Tian-Zhong, M. *et al.* (2016) Critical role of Emx2 in the pluripotency - differentiation transition in male gonocytes via regulation of FGF9/NODAL pathway. [Reproduction. 151 \(6\): 673-81.](#)
 18. Chen, M.*et al.* (2019) Abnormal Meiosis Initiation in Germ Cell Caused by Aberrant Differentiation of Gonad Somatic Cell [Oxidative Medicine and Cellular Longevity. 2019: 1-8.](#)

Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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Guarantee	12 months from date of despatch
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Health And Safety Information	<p>Material Safety Datasheet documentation #10053 available at: https://www.bio-rad-antibodies.com/SDS/MCA2336</p> <p>10053</p>
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP

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 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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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

'M366671:200529'

Printed on 19 Mar 2025