

Datasheet: MCA2336

**BATCH NUMBER 160560**

<b>Description:</b>	MOUSE ANTI DAZL
<b>Specificity:</b>	DAZL
<b>Format:</b>	S/N
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	3/11A
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Mouse, Rat, Cynomolgus monkey</p> <p><b>N.B.</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.</p>
<b>Product Form</b>	Tissue Culture Supernatant - liquid

<b>Preparation</b>	Tissue Culture Supernatant containing 0.1M Tris/HCl
<b>Preservative Stabilisers</b>	<0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Immunogen</b>	Synthetic peptide corresponding to sequence within the C terminal domain of human DAZL (CRVHHFRRSRAMLKSV).
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q92904</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">1618</a>    DAZL    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	DAZH, DAZL1, DAZLA, SPGYLA
<b>RRID</b>	AB_2292585
<b>Fusion Partners</b>	Spleen cells from immunised T/O outbred mice were fused with cells of the SP2/0 myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Human DAZL antibody, clone 3/11A</b> 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 (<a href="#">Lin et al. 2001</a>)</p>
<b>Histology Positive Control Tissue</b>	Ovary or testis.
<b>References</b>	<ol style="list-style-type: none"> <li>Forand, A. &amp; Bernardino-Sgherri, J. (2009) A critical role of PUMA in maintenance of genomic integrity of murine spermatogonial stem cell precursors after genotoxic stress. <a href="#">Cell Res. 19: 1018-30.</a></li> <li>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. <a href="#">Toxicol Sci.117: 439-48.</a></li> <li>Barrios, F. et al. (2010) Opposing effects of retinoic acid and FGF9 on Nanos2 expression and meiotic entry of mouse germ cells. <a href="#">J Cell Sci. 123: 871-80.</a></li> <li>Forand, A. et al. (2009) Similarities and differences in the <i>in vivo</i> response of mouse neonatal gonocytes and spermatogonia to genotoxic stress. <a href="#">Biol Reprod. 80: 860-73.</a></li> <li>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. <a href="#">BMC Dev Biol. 7: 136.</a></li> <li>Aoki, T. and Takada, T. (2012) Bisphenol A modulates germ cell differentiation and</li> </ol>

- retinoic acid signaling in mouse ES cells. [Reprod Toxicol. 34: 463-70.](#)
7. Yamauchi K *et al.* (2009) *In vitro* germ cell differentiation from cynomolgus monkey embryonic stem cells. [PLoS One. 4 \(4\): e5338.](#)
  8. Zogbi, C. *et al.* (2012) Gonocyte development in rats: proliferation, distribution and death revisited. [Histochem Cell Biol. 138 \(2\): 305-22.](#)
  9. Woods DC *et al.* (2013) Embryonic stem cell-derived granulosa cells participate in ovarian follicle formation *in vitro* and *in vivo*. [Reprod Sci. 20 \(5\): 524-35.](#)
  10. Rose CM *et al.* (2014) Dynamic changes in DNA modification states during late gestation male germ line development in the rat. [Epigenetics Chromatin. 7: 19.](#)
  11. Chen SR *et al.* (2013) Disruption of genital ridge development causes aberrant primordial germ cell proliferation but does not affect their directional migration. [BMC Biol. 11: 22.](#)
  12. Jobling MS *et al.* (2011) Effects of di(n-butyl) phthalate exposure on foetal rat germ-cell number and differentiation: identification of age-specific windows of vulnerability. [Int J Androl. 34 \(5 Pt 2\): e386-96.](#)
  13. Conrad, S. *et al.* (2014) Differential gene expression profiling of enriched human spermatogonia after short- and long-term culture. [Biomed Res Int. 2014: 138350.](#)
  14. Wang Y *et al.* (2015) Protein Arginine Methyltransferase 5 (Prmt5) Is Required for Germ Cell Survival During Mouse Embryonic Development. [Biol Reprod. pii: biolreprod.114.127308.](#)
  15. Bayne RA *et al.* (2015) GDF9 is Transiently Expressed in Oocytes before Follicle Formation in the Human Fetal Ovary and is Regulated by a Novel NOBOX Transcript. [PLoS One. 10 \(3\): e0119819.](#)
  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.](#)
  19. Rocha-da-Silva, L. *et al.* (2019) Expression of genome defence protein members in proliferating and quiescent rat male germ cells and the Nuage dynamics. [PLoS One. 14 \(6\): e0217941.](#)
  20. Liang, J. *et al.* (2019) Induction of Sertoli-like cells from human fibroblasts by NR5A1 and GATA4. [Elife. 8:e48767.](#)

---

<b>Storage</b>	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.
	Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety</b>	Material Safety Datasheet documentation #10053 available at:

---

**Information** <https://www.bio-rad-antibodies.com/SDS/MCA2336>  
10053

---

**Regulatory** For research purposes only

---

## 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](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
----------------------------------	---	------------------	---	---------------	---

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

'M389417:210806'

Printed on 19 Mar 2025

---

© 2025 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)