

Datasheet: MCA951S

Description:	MOUSE ANTI HUMAN INHIBIN ALPHA
Specificity:	INHIBIN ALPHA
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	R1
Isotype:	IgG2a
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	▪			Neat - 1/100
Immunohistology - Paraffin (1)	▪			Neat - 1/100
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/100 - 1/200

Where this antibody 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 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	<p>Reacts with: Bovine, Sheep</p> <p>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.</p>
Product Form	Tissue Culture Supernatant - liquid
Preservative	0.1% Sodium Azide (NaN ₃)

Stabilisers

Immunogen Synthetic peptide comprised of amino acids 1-32 of human inhibin alpha.

External Database Links

UniProt:

[P05111](#) [Related reagents](#)

Entrez Gene:

[3623](#) INHA [Related reagents](#)

RRID AB_322161

Specificity

Mouse anti Human inhibin alpha antibody, clone R1 recognizes the alpha subunit of the 32 kDa human inhibin. A glycoprotein which acts to suppress follicle-stimulating hormone (FSH) secretion ([Groome *et al*, 1990](#)).

Inhibin alpha is expressed in a range of tissues including the endometrium ([Mylonas *et al*, 2004](#)), brain ([Uccella *et al*, 2000](#)), adrenal gland ([McCluggage *et al*, 1998](#)), testis ([Bergh and Cajander, 1990](#)) and ovary ([Cuevas *et al*, 1987](#), [Yamamoto *et al*, 1992](#)). The antibody may be of value in the differentiation of adrenocortical tumours, placental and gestational trophoblastic lesions, and sex cord stromal tumours ([McCluggage, 2001](#)).

In western blotting of bovine follicular fluid, bands at 20, 44 and 57 kDa were reported under reducing conditions using clone R1 ([Groome *et al*, 1991](#)).

Histology Positive Control Tissue

Normal human ovary/testis

References

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2. Arora, D.S. *et al*. (1997) Immunohistochemical expression of inhibin/activin subunits in epithelial and granulosa cell tumours of the ovary. [J Pathol. 181 \(4\): 413-8.](#)
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16. Liang, L. *et al.* (2016) Renal cell carcinoma metastatic to the ovary or fallopian tube: a clinicopathological study of 9 cases. [Hum Pathol. 51: 96-102.](#)
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Storage Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10336 available at:
10336: <https://www.bio-rad-antibodies.com/uploads/MSDS/10336.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Rabbit Anti Mouse IgG (STAR8...) [DyLight®800](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Human Anti Mouse IgG2a (HCA037...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®680](#),
[DyLight®800](#), [FITC](#), [HRP](#)

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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'M369220:200529'

Printed on 12 Feb 2021

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