

Datasheet: MCA951ST

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|----------------------|--------------------------------|
| Description: | MOUSE ANTI HUMAN INHIBIN ALPHA |
| Specificity: | INHIBIN ALPHA |
| Format: | S/N |
| Product Type: | Monoclonal Antibody |
| Clone: | R1 |
| Isotype: | IgG2a |
| Quantity: | 0.2 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 |

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: Bovine, Sheep

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

Preservative Stabilisers

0.1% Sodium Azide (NaN₃)

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_324480

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](#), Yamoto *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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Storage 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.

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

Recommended Negative Controls

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

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|----------------------------------|---|------------------|---|---------------|---|
| 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](https://www.bio-rad-antibodies.com/datasheets)
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