

## Datasheet: MCA951ST

**BATCH NUMBER 148470**

<b>Description:</b>	MOUSE ANTI HUMAN INHIBIN ALPHA
<b>Specificity:</b>	INHIBIN ALPHA
<b>Format:</b>	S/N
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	R1
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	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](http://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

0.09% Sodium Azide (NaN<sub>3</sub>)

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

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**External Database**

**Links**

**UniProt:**

[P05111](#)    [Related reagents](#)

**Entrez Gene:**

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

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**RRID**

AB\_324480

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**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](#)).

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**Histology Positive Control Tissue**

Normal human ovary/testis

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**References**

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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.

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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10055 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA951ST10055">https://www.bio-rad-antibodies.com/SDS/MCA951ST10055</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

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

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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://bio-rad-antibodies.com/datasheets)  
'M369221:200529'

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