Datasheet: MCA951ST

**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.abdserotec.com/protocols](http://www.abdserotec.com/protocols).

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
<td></td>
<td></td>
<td></td>
<td>1/50 - 1/100</td>
</tr>
<tr>
<td>Immunohistology - Paraffin(1)</td>
<td></td>
<td></td>
<td></td>
<td>1/50 - 1/100</td>
</tr>
</tbody>
</table>

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.

#### Product Form

Tissue Culture Supernatant - liquid

#### Preservative Stabilisers

0.09% Sodium Azide (NaN₃)

#### Immunogen

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

#### External Database Links

**UniProt:** P05111 [Related reagents](http://www.abdserotec.com/related-reagents)

**Entrez Gene:** 3623 INHA [Related reagents](http://www.abdserotec.com/related-reagents)

#### 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](https://www.ncbi.nlm.nih.gov/pubmed/2130086)).
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

### 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.

### Shelf Life
18 months from date of despatch.

### Health And Safety
Material Safety Datasheet Documentation #10055 available at:
Related Products

**Recommended Secondary Antibodies**

<table>
<thead>
<tr>
<th>Antibody</th>
<th>Format</th>
</tr>
</thead>
<tbody>
<tr>
<td>HuCAL Anti Mouse IgG2a (HCA037...)</td>
<td>FITC, HRP</td>
</tr>
<tr>
<td>Rabbit Anti Mouse IgG (STAR8...)</td>
<td>DyLight®800</td>
</tr>
<tr>
<td>Goat Anti Mouse IgG (STAR76...)</td>
<td>RPE</td>
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<tr>
<td>Goat Anti Mouse IgG (STAR77...)</td>
<td>HRP</td>
</tr>
<tr>
<td>Rabbit Anti Mouse IgG (STAR9...)</td>
<td>FITC</td>
</tr>
<tr>
<td>Goat Anti Mouse IgA IgM (STAR87...)</td>
<td>Alk. Phos., HRP</td>
</tr>
<tr>
<td>Rabbit Anti Mouse IgG (STAR12...)</td>
<td>RPE</td>
</tr>
<tr>
<td>Rabbit Anti Mouse IgG (STAR13...)</td>
<td>HRP</td>
</tr>
<tr>
<td>Goat Anti Mouse IgG (Fc) (STAR120...)</td>
<td>FITC, HRP</td>
</tr>
<tr>
<td>Goat Anti Mouse IgG (STAR70...)</td>
<td>FITC</td>
</tr>
<tr>
<td>Goat Anti Mouse IgG (H/L) (STAR117...)</td>
<td>Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®800, FITC, HRP</td>
</tr>
</tbody>
</table>

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