

## Datasheet: MCA1027

|                      |                                  |
|----------------------|----------------------------------|
| <b>Description:</b>  | MOUSE ANTI hCG (ALPHA 5 EPITOPE) |
| <b>Specificity:</b>  | hCG (ALPHA 5 EPITOPE)            |
| <b>Format:</b>       | Purified                         |
| <b>Product Type:</b> | Monoclonal Antibody              |
| <b>Clone:</b>        | INN-hFSH-158                     |
| <b>Isotype:</b>      | IgG                              |
| <b>Quantity:</b>     | 0.5 mg                           |

## 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 |     |    | ■              |                    |
| ELISA                      | ■   |    |                |                    |
| Immunoprecipitation        |     |    | ■              |                    |
| Western Blotting           |     |    | ■              |                    |
| Radioimmunoassays          | ■   |    |                |                    |
| Immunoassay                | ■   |    |                |                    |

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.

|                                       |                                                                            |
|---------------------------------------|----------------------------------------------------------------------------|
| <b>Target Species</b>                 | Human                                                                      |
| <b>Product Form</b>                   | Purified IgG - liquid                                                      |
| <b>Preparation</b>                    | Purified IgG prepared by affinity chromatography on Protein A              |
| <b>Buffer Solution</b>                | Phosphate buffered saline                                                  |
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide                                                         |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0 mg/ml                                                |
| <b>Immunogen</b>                      | Human FSH.                                                                 |
| <b>External Database Links</b>        | <b>UniProt:</b><br><a href="#">P01215</a> <a href="#">Related reagents</a> |

**Entrez Gene:**[1081](#) CGA [Related reagents](#)

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Fusion Partners</b>               | Spleen cells from immunised mice were fused with cells of the X63-Ag8.653 myeloma cell line.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Specificity</b>                   | <p><b>Mouse anti hCG (alpha 5 Epitope) antibody, clone INN-hFSH-158</b> recognizes the alpha 5 epitope on the alpha subunit of hCG, hLH, hFSH, hISH and the free alpha subunit.</p> <p>The alpha 5 epitope is destroyed upon iodination.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>References</b>                    | <ol style="list-style-type: none"><li>1. McKenna, S.D. <i>et al.</i> (2007) Tumor necrosis factor (TNF)-soluble high-affinity receptor complex as a TNF antagonist. <a href="#">J Pharmacol Exp Ther. 322 (2): 822-8.</a></li><li>2. Casella, I. <i>et al.</i> (2008) Non-gonadotropin-releasing hormone-mediated transcription and secretion of large human glycoprotein hormone alpha-subunit in human embryonic kidney-293 cells. <a href="#">Endocrinology. 149: 1144-54.</a></li><li>3. Garone, L.M. <i>et al.</i> (2006) Biological properties of a novel follicle-stimulating hormone/human chorionic gonadotropin chimeric gonadotropin. <a href="#">Endocrinology. 147: 4205-12.</a></li><li>4. Birken, S. <i>et al.</i> (2003) Preparation and characterization of new WHO reference reagents for human chorionic gonadotropin and metabolites. <a href="#">Clin Chem. 49: 144-54.</a></li><li>5. Untergasser, G. <i>et al.</i> (2001) Seminal plasma factors induce <i>in vitro</i> PRL secretion in smooth muscle cells of the human prostate. <a href="#">J Clin Endocrinol Metab. 86: 5577-84.</a></li></ol> |
| <b>Storage</b>                       | <p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>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.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Shelf Life</b>                    | 18 months from date of despatch.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Health And Safety Information</b> | <p>Material Safety Datasheet documentation available at:</p> <p>Material Safety Datasheet Documentation #10040 available at:</p> <p><a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Regulatory</b>                    | For research purposes only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Related Products

### Recommended Secondary Antibodies

|                                         |                                                                  |
|-----------------------------------------|------------------------------------------------------------------|
| Rabbit Anti Mouse IgG (STAR8...)        | <a href="#">DyLight®800</a>                                      |
| Goat Anti Mouse IgG (STAR76...)         | <a href="#">RPE</a>                                              |
| Rabbit Anti Mouse IgG (STAR12...)       | <a href="#">RPE</a>                                              |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | <a href="#">Alk. Phos.</a> , <a href="#">HRP</a>                 |
| Human Anti Mouse IgG1 (HCA036...)       | <a href="#">HRP</a>                                              |
| Human Anti Mouse IgG2a (HCA037...)      | <a href="#">FITC</a> , <a href="#">HRP</a>                       |
| Human Anti Mouse IgG2b (HCA038...)      | <a href="#">FITC</a> , <a href="#">HRP</a>                       |
| Human Anti Mouse IgG3 (HCA039...)       | <a href="#">FITC</a> , <a href="#">HRP</a> , <a href="#">RPE</a> |
| Goat Anti Mouse IgG (STAR70...)         | <a href="#">FITC</a>                                             |

Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®549](#),  
[DyLight®649](#), [DyLight®680](#), [DyLight®800](#),  
[FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
Goat Anti Mouse IgG (STAR77...) [HRP](#)

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)  
[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)  
[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

|                                  |                                                                                                                                         |                  |                                                                                                                                                 |               |                                                                                                                                                     |
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