

Datasheet: 7010-2006

**BATCH NUMBER 1607**

|                      |                              |
|----------------------|------------------------------|
| <b>Description:</b>  | MOUSE ANTI 17-BETA-ESTRADIOL |
| <b>Specificity:</b>  | 17-BETA-ESTRADIOL            |
| <b>Other names:</b>  | E2, OESTRADIOL               |
| <b>Format:</b>       | Purified                     |
| <b>Product Type:</b> | Monoclonal Antibody          |
| <b>Clone:</b>        | 4S24 (BGN/06/8824)           |
| <b>Isotype:</b>      | IgG1                         |
| <b>Quantity:</b>     | 0.2 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 |
|-------|-----|----|----------------|--------------------|
| ELISA | ▪   |    |                | 1/5,000 - 1/50,000 |

Where this product 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 product for use in their own system using the appropriate negative/positive controls.

|                                       |   |
|---------------------------------------|---|
| <b>Target Species</b>                 | Broad   |
| <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 (NaN <sub>3</sub> )                        |
| <b>Carrier Free</b>                   | Yes   |
| <b>Approx. Protein Concentrations</b> | 1.0 mg/ml   |

|                                      |   |                   |      |                       |     |         |       |              |        |
|--------------------------------------|---|-------------------|------|-----------------------|-----|---------|-------|--------------|--------|
| <b>Immunogen</b>                     | 17-beta estradiol conjugated to bovine serum albumin at position 6.   |                   |      |                       |     |         |       |              |        |
| <b>RRID</b>                          | AB_619007   |                   |      |                       |     |         |       |              |        |
| <b>Specificity</b>                   | <p><b>Mouse anti 17-beta-Estradiol antibody, clone 4S24 (BGN/06/8824)</b> recognizes 17-beta estradiol, a mammalian estrogenic hormone, produced in the ovaries, placenta and testis that has a role in normal sexual development and the regulation of the menstrual cycle.</p> <p>The following cross reactivities have been observed:</p> <table border="0"> <tr> <td>17-beta Estradiol</td> <td>100%</td> </tr> <tr> <td>17-beta Estradiol-BSA</td> <td>90%</td> </tr> <tr> <td>Estriol</td> <td>&lt;0.9%</td> </tr> <tr> <td>Testosterone</td> <td>&lt;0.01%</td> </tr> </table> | 17-beta Estradiol | 100% | 17-beta Estradiol-BSA | 90% | Estriol | <0.9% | Testosterone | <0.01% |
| 17-beta Estradiol                    | 100%  |                   |      |                       |     |         |       |              |        |
| 17-beta Estradiol-BSA                | 90%   |                   |      |                       |     |         |       |              |        |
| Estriol                              | <0.9%   |                   |      |                       |     |         |       |              |        |
| Testosterone                         | <0.01%  |                   |      |                       |     |         |       |              |        |
| <b>Storage</b>                       | <p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>  |                   |      |                       |     |         |       |              |        |
| <b>Guarantee</b>                     | 12 months from date of despatch   |                   |      |                       |     |         |       |              |        |
| <b>Health And Safety Information</b> | <p>Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/7010-2006">https://www.bio-rad-antibodies.com/SDS/7010-2006</a></p> <p>10040</p>  |                   |      |                       |     |         |       |              |        |
| <b>Regulatory</b>                    | For research purposes only  |                   |      |                       |     |         |       |              |        |

## Related Products

### Recommended Secondary Antibodies

|   |   |
|---|---|
| Goat Anti Mouse IgG (STAR77...)         | <a href="#">HRP</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>  |
| Goat Anti Mouse IgG (STAR76...)         | <a href="#">RPE</a>   |
| Goat Anti Mouse IgG (Fc) (STAR120...)   | <a href="#">FITC</a> , <a href="#">HRP</a>  |
| Rabbit Anti Mouse IgG (STAR13...)       | <a href="#">HRP</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> ,<br><a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> ,<br><a href="#">FITC</a> , <a href="#">HRP</a> |
| Rabbit Anti Mouse IgG (STAR9...)        | <a href="#">FITC</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)

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