

## Monoclonal Anti-Alpha-hCG

### Specification Sheet

|                           |   |                   |      |     |     |                  |      |    |     |     |     |     |     |
|---------------------------|---|-------------------|------|-----|-----|------------------|------|----|-----|-----|-----|-----|-----|
| <b>Catalog #:</b>         | MH011   |                   |      |     |     |                  |      |    |     |     |     |     |     |
| <b>Lot #:</b>             | 1524  |                   |      |     |     |                  |      |    |     |     |     |     |     |
| <b>Description:</b>       | Mab to alpha-hCG  |                   |      |     |     |                  |      |    |     |     |     |     |     |
| <b>Specificity:</b>       | <table><tr><td><i>Alpha</i>-hCG</td><td>100%</td></tr><tr><td>hCG</td><td>80%</td></tr><tr><td><i>Beta</i>-hCG</td><td>0.0%</td></tr><tr><td>LH</td><td>48%</td></tr><tr><td>FSH</td><td>65%</td></tr><tr><td>TSH</td><td>98%</td></tr></table> | <i>Alpha</i> -hCG | 100% | hCG | 80% | <i>Beta</i> -hCG | 0.0% | LH | 48% | FSH | 65% | TSH | 98% |
| <i>Alpha</i> -hCG         | 100%  |                   |      |     |     |                  |      |    |     |     |     |     |     |
| hCG                       | 80%   |                   |      |     |     |                  |      |    |     |     |     |     |     |
| <i>Beta</i> -hCG          | 0.0%  |                   |      |     |     |                  |      |    |     |     |     |     |     |
| LH                        | 48%   |                   |      |     |     |                  |      |    |     |     |     |     |     |
| FSH                       | 65%   |                   |      |     |     |                  |      |    |     |     |     |     |     |
| TSH                       | 98%   |                   |      |     |     |                  |      |    |     |     |     |     |     |
| <b>Clone:</b>             | 1C5   |                   |      |     |     |                  |      |    |     |     |     |     |     |
| <b>Host Animal:</b>       | Hybridization of P3x63-Ag 9.653 myeloma cells with spleen cells from Balb/c mouse   |                   |      |     |     |                  |      |    |     |     |     |     |     |
| <b>Isotype:</b>           | IgG1, kappa light chain   |                   |      |     |     |                  |      |    |     |     |     |     |     |
| <b>Source:</b>            | Mouse ascites   |                   |      |     |     |                  |      |    |     |     |     |     |     |
| <b>Immunogen:</b>         | hCG purified from human urine   |                   |      |     |     |                  |      |    |     |     |     |     |     |
| <b>Format:</b>            | Purified, liquid  |                   |      |     |     |                  |      |    |     |     |     |     |     |
| <b>Purification:</b>      | DEAE chromatography   |                   |      |     |     |                  |      |    |     |     |     |     |     |
| <b>Concentration:</b>     | 4.92 mg/ml (OD280 nm, $E^{0.1\%} = 1.40$ )  |                   |      |     |     |                  |      |    |     |     |     |     |     |
| <b>Affinity Constant:</b> | No determined   |                   |      |     |     |                  |      |    |     |     |     |     |     |
| <b>Buffer:</b>            | 0.015 M potassium phosphate buffer, 0.85% NaCl, 0.05% NaN <sub>3</sub> pH7.2  |                   |      |     |     |                  |      |    |     |     |     |     |     |
| <b>Pairing Assays:</b>    | Pair with MH012, MH013, MH014, MH016 and MH019  |                   |      |     |     |                  |      |    |     |     |     |     |     |
| <b>Application:</b>       | For hCG quantitative assays by EIA  |                   |      |     |     |                  |      |    |     |     |     |     |     |
| <b>Purity:</b>            | >95% by HPLC and SDS-PAGE   |                   |      |     |     |                  |      |    |     |     |     |     |     |
| <b>Storage:</b>           | 2-8° C for 2 year. Long-term store at -20° C  |                   |      |     |     |                  |      |    |     |     |     |     |     |

**For research use only**