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## Mouse Anti-Trastuzumab (Herceptin®) Antibody

Catalogue Number: SB-01-135

### Product Specifications Data Sheet

|                            |                                                                                                                                                                                         |                                  |                                                                                                                                        |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>         | <b>Mouse monoclonal antibody against F(ab)<sup>2</sup> fragment of trastuzumab</b>                                                                                                      |                                  |                                                                                                                                        |
| <b>Quantity</b>            | 0.1 mg                                                                                                                                                                                  |                                  |                                                                                                                                        |
| <b>Host/ Isotype</b>       | Mouse IgG1, Kappa                                                                                                                                                                       |                                  |                                                                                                                                        |
| <b>Immunogen</b>           | F(ab) <sup>2</sup> fragment of trastuzumab                                                                                                                                              |                                  |                                                                                                                                        |
| <b>Purification</b>        | Protein A purified from hybridoma culture supernatant                                                                                                                                   |                                  |                                                                                                                                        |
| <b>Buffer</b>              | TBS, pH 8.0 (0.1% sodium azide)                                                                                                                                                         |                                  |                                                                                                                                        |
| <b>Specificity</b>         | Variable region of trastuzumab. The antibody is neutralizing. It inhibits interaction of trastuzumab and its antigen HER2.                                                              |                                  |                                                                                                                                        |
| <b>Storage</b>             | Store the antibody undiluted at 4°C for one year. For longer shelf life please store the antibody at -20°C. <i>Avoid repeated freezing and thawing.</i>                                 |                                  |                                                                                                                                        |
| <b>Applications</b>        | <b>Purpose</b>                                                                                                                                                                          | <b>Recommended Concentration</b> | <b>Comment</b>                                                                                                                         |
|                            | ELISA- Coating antibody                                                                                                                                                                 | 3- 5 µg/mL                       | To capture trastuzumab using sandwich ELISA                                                                                            |
|                            | ELISA- detection antibody                                                                                                                                                               | 0.5- 1 µg/mL                     | To detect trastuzumab by sandwich ELISA                                                                                                |
|                            | Cell-based assay                                                                                                                                                                        | 2 – 4 µg/mL                      | To measure neutralizing activity of anti-trastuzumab antibody samples. It inhibits interaction of trastuzumab and its antigen HER2/neu |
|                            | Western Blot                                                                                                                                                                            | 1 µg/mL                          | Detect trastuzumab under non-reducing conditions                                                                                       |
|                            | <i>Please Note: Optimal dilutions should be determined by each laboratory for each application.</i>                                                                                     |                                  |                                                                                                                                        |
| <b>Safety/ Precautions</b> | It should be handled by trained personnel only. Please contact our customer service at <a href="mailto:customer@somrubioscience.com">customer@somrubioscience.com</a> for more details. |                                  |                                                                                                                                        |

**Precautions:** Use normal precautions for handling of blood derived products.

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