



# Her2/Neu (EP3) Rabbit Monoclonal Primary Antibody

**For Research Use Only (RUO)**

## Product Availability

| REF           | Description                          |
|---------------|--------------------------------------|
| 237R-20 (RUO) | 25.0 ml predilute ready-to-use (RUO) |
| 237R-24 (RUO) | 0.1 ml concentrate (RUO)             |
| 237R-25 (RUO) | 0.5 ml concentrate (RUO)             |
| 237R-26 (RUO) | 1.0 ml concentrate (RUO)             |
| 237R-27 (RUO) | 1.0 ml predilute ready-to-use (RUO)  |
| 237R-28 (RUO) | 7.0 ml predilute ready-to-use (RUO)  |

## Symbol Definitions

| KEY-CODE | keycode                    |
|----------|----------------------------|
| P        | predilute                  |
| C        | concentrate                |
| A        | ascites                    |
| E        | serum                      |
| S        | supernatant                |
| DIL      | concentrate dilution range |

## Application

This product is intended for research use only. Not for use in diagnostic procedures.

Anti-Her2/Neu (EP3) may be used as the primary antibody for immunohistochemical staining of formalin-fixed, paraffin-embedded tissue sections.

## Materials

### Reagent Provided

| Product Composition                |   |
|------------------------------------|---|
| Predilute: diluted in              | Tris Buffer, pH 7.3-7.7, with 1% BSA and <0.1% Sodium Azide |
| Concentrate: diluted in            | Tris Buffer, pH 7.3-7.7, with 1% BSA and <0.1% Sodium Azide |
| Isotype                            | IgG   |
| Predilute Ig concentration range   | 0.1-1.0 µg/ml   |
| Concentrate Ig concentration range | 5-50 µg/ml  |
| Recommended working dilution range | 1:50-1:100  |

See product label for lot specific information for the following:

- Antibody immunoglobulin concentration
- Source details

### Reconstitution, Mixing, Dilution, Titration

Prediluted antibody is ready-to-use and optimized for staining. No reconstitution, mixing, dilution, or titration is required. The concentrated antibody is optimized to be diluted to within the dilution range using Cell Marque Diamond Diluent.

### Storage and Handling

Store at 2-8°C. Do not freeze.

To ensure proper reagent delivery and stability of the antibody after every run, the cap must be replaced and the bottle must be immediately placed in the refrigerator in an upright position.

Every antibody reagent is expiration dated. When properly stored, the reagent is stable to the date indicated on the label. Do not use reagent beyond the expiration date for the prescribed storage method.

There are no definitive signs to indicate instability of this product; therefore, positive and negative controls should be run simultaneously with unknown specimens. Contact Cell Marque customer service if there is a suspected indication of reagent instability.

## Warnings And Precautions

- This product is for research use only. Not for use in diagnostic procedures.
- Take reasonable precautions when handling reagents. Use disposable gloves and lab coats when handling suspected carcinogens or toxic materials (example: xylene).
- Avoid contact of reagents with eyes and mucous membranes. If reagents come in contact with sensitive areas, wash with copious amounts of water.
- Avoid microbial contamination of reagents, as this could produce incorrect results.
- The user must validate incubation times and temperatures.
- The prediluted, ready-to-use reagents are optimally diluted, and further dilution may result in loss of antigen staining.
- The concentrated reagents may be diluted optimally based on validation by user. Any diluent used that is not specifically recommended herein must likewise be validated by the user for both its compatibility and effect on stability.
- When used according to instructions, this product is not classified as a hazardous substance. The preservative in the reagent is less than 0.1% sodium azide and does not meet the OSHA (USA) criteria for hazardous substance at the stated concentration. See SDS.
- The user must validate any storage conditions other than those specified in the package insert.
- Diluent may contain bovine serum albumin and supernatant may contain bovine serum. The products containing fetal bovine serum and products containing bovine serum albumin are purchased from commercial suppliers. Certificates of Origin for the animal source used in these products are on file at Cell Marque. The certificates support that the bovine sources are from countries with negligible BSE risk and state sources of bovine from USA and Canada.



11. As with any product derived from biological sources, proper handling procedures should be used.

## References

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1. King CR, et al. Amplification of novel v-erbB-related gene in a human mammary carcinoma. *Science*. 1985; 229:974-976.
2. Slamon DJ, et al. Human breast cancer: the correlation of relapse and survival with amplification of the Her-2/neu oncogene. *Science*. 1987; 235:177-182.
3. Hofman M, et al. Assessment of a HER2 scoring system for gastric cancer: results from a validation study. *Histopathol*. 2008; 52:797-805.
4. Ruschoff J, et al. HER2 testing in gastric cancer: what is different in comparison to breast cancer?. *Pathologie*. 2010; 31:208-217.

## Disclaimers

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CM Template #0.2 v1

Implementation date 22 Apr 2016