

## Her-2 clone ERBB2/4439

### Rabbit Monoclonal Antibody

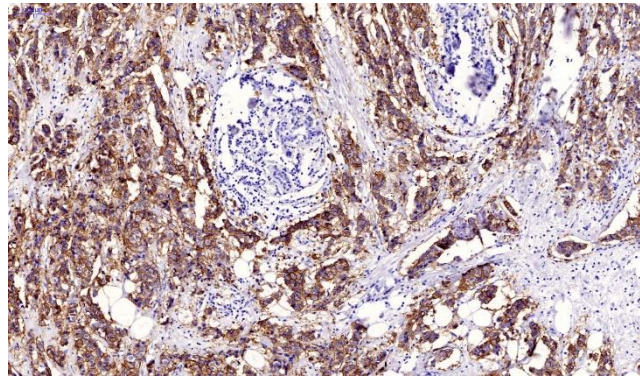
#### Instruction for Use

**Specification:**

Recognizes a protein of 185kDa, which is identified as c-erbB-2/HER-2/neu. Its epitope is localized in the extracellular domain. C-erbB-2/HER-2 is a member of the EGFR family. This MAb is specific and shows minimal cross-reaction with other members of the EGFR-family. Receptors of this family are located on the plasma membrane and consist of an extracellular ligand-binding domain that is connected to a large intracellular domain by a single transmembrane sequence. c-erbB-2/HER-2 protein is over-expressed in a variety of carcinomas especially those of breast and ovary.

**Availability:**

| Catalog No. | Contents | Volume             |
|-------------|----------|--------------------|
| ILM4439-C01 | Her-2    | 0,1 ml concentrate |
| ILM4439-C05 | Her-2    | 0,5 ml concentrate |
| ILM4439-C1  | Her-2    | 1,0 ml concentrate |



**Intended use:** For Research Use Only

**Reactivity:** Human, others not known

**Clone:** ERBB2/4439

**Human Gene ID:** 2064

**Human SwissProt:** IDP0426

**Human Unigene:** 446352

**Species of origin:** Rabbit

**Isotype:** IgG

**Control Tissue:** Breast carcinoma

**Staining:** Nuclear

**Presentation:** Bioreactor Concentrate with 0.05% Azide

**Application and suggested dilutions:**

Pre-treatment: Heat induced epitope retrieval in 10 mM citrate buffer pH6.0 for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution up to 1:50-1:100)

The optimal dilution for a specific application should be determined by the investigator.

**Note:** Dilution of the antibody in 10% normal goat serum followed by a Goat anti-Rabbit secondary antibody-based detection is recommended.

**Storage & Stability:** Store at 2-8 °C. Do not use after expiration date printed on the vial.

**Reference:**

- 1) Owens, MA Horten, BC, Da Silva MM. Her2 amplification ratios by fluorescence in situ hybridization and correlation with immunohistochemistry in a cohort of 6556 breast cancer tissues. *Clinical breast cancer*, 2004,5(1) 63-69
- 2) Gibbons-Fideler IS, Nitta H, Murillo A et al. Identification of Her2 immunohistochemistry-negative fish-amplified breast cancers and their response to anti-her2 neoadjuvant chemotherapy. *Am J Clin Pathol*, 2019, 151(2) 176-184