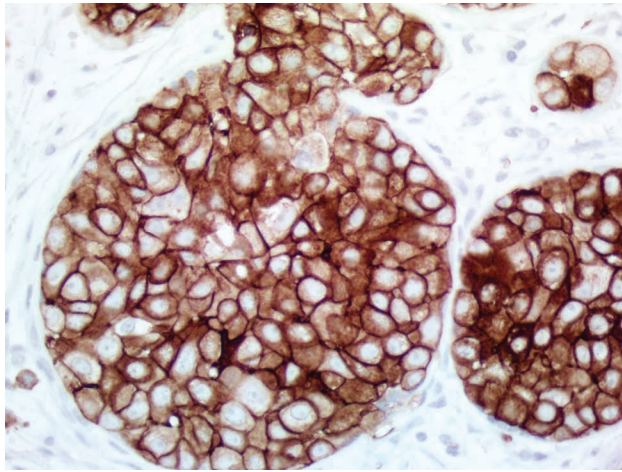


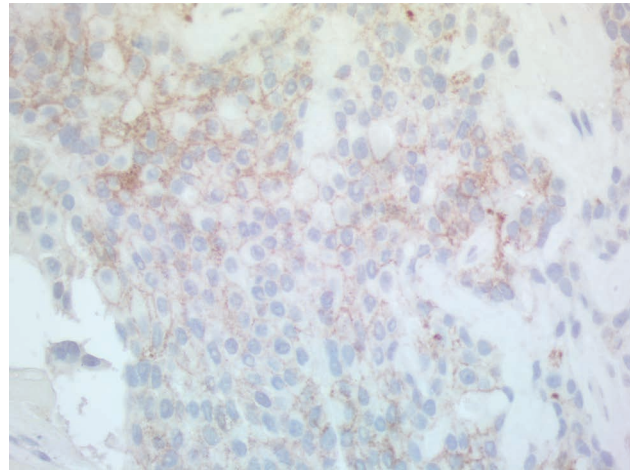
## Anti-Human Her2 Antibody for IHC

Performance, specificity, and quality are critical requirements for obtaining accurate protein detection results by IHC. SDIX has manufactured OriGene's UltraMAB® Her2 antibody, Clone UMAB36, in a GMP environment and obtained CE marking for this product. The CE mark provides a level of quality, safety and performance to ensure product reliability and reproducibility.

### Her2 Staining of Breast Cancer Tissues



Panel 1 – strong positive, human breast cancer



Panel 2 – weak positive, human breast cancer

Figure 1. IHC screens using anti-Her2 antibody CE00004.

#### Product Features

- Highly-specific
- GMP manufactured
- For use in IHC applications
- Detection of Her2 protein in human tissues and cells
- For *in vitro* diagnostic (IVD) use\*

#### Product Details

- **Antibody Type:** Mouse Monoclonal, IgG1
- **Clone:** UMAB36
- **Reference #:** CE00004
- **Aliquot Sizes:** 0.1mL, 0.5mL and 1.0mL
- **Recommended Dilution:** 1:100 – 1:200
- **Buffer:** 20mM Sodium phosphate, 150mM Sodium chloride, 0.2% BSA, 0.09% Sodium azide, pH 7.4



## Intended Use and Specificity

Anti-human Her2 Mouse Monoclonal Primary Antibody is intended for detection of Her2 protein expression in frozen or formalin fixed human tissues and cells. The antibody is intended for *in vitro* diagnostic (IVD) use\*.

The specificity of the anti- human Her2 Mouse Monoclonal Primary Antibody was established on known positive human breast cancer either with strong or weak Her2 expression. The anti-Her2 showed positive staining on formalin fixed Her2 positive human breast cancer tissue for both strong and weak Her2 expression using immunohistochemical (IHC) test methods (Figure 1).

\*The clinical interpretation of any positive staining or its absence should be complemented by morphological and histological studies with proper controls. Evaluations should be made within the context of the patient's clinical history and other diagnostic tests by a qualified pathologist.

## What is Her2?

This Her2/neu/ErbB2 gene encodes a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. This protein has no ligand binding domain of its own and therefore cannot bind growth factors. However, it does bind tightly to other ligand-bound EGF receptor family members to form a heterodimer, stabilizing ligand binding and enhancing kinase-mediated activation of downstream signaling pathways, such as those involving mitogen-activated protein kinase and phosphatidylinositol-3 kinase. Amplification and/or overexpression of this gene has been reported in numerous cancers, including breast and ovarian tumors. Alternative splicing results in several additional transcript variants, some encoding different isoforms and others that have not been fully characterized. [provided by RefSeq, Jul 2008].

## Ordering Information

Catalog No.	Aliquot Size	Description
C0004MA01-MA	0.1 mL	Anti-human Her2 Mouse Monoclonal Primary antibody, Clone UMAB36
C0004MA05-MA	0.5 mL	Anti-human Her2 Mouse Monoclonal Primary antibody, Clone UMAB36
C0004MA10-MA	1.0 mL	Anti-human Her2 Mouse Monoclonal Primary antibody, Clone UMAB36

For more information on or to place an order, please call 1-800-544-8881 or 302-456-6789.

You may also send an email to [sales@sdix.com](mailto:sales@sdix.com).

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