

## 30-2736-B: Anti-Hu HER3 Biotin

|                                |   |
|--------------------------------|---|
| <b>Clonality :</b>             | Monoclonal  |
| <b>Clone Name :</b>            | H3Mab-17  |
| <b>Application :</b>           | FACS  |
| <b>Reactivity :</b>            | Human   |
| <b>Conjugate :</b>             | Biotin  |
| <b>Gene :</b>                  | ERBB3   |
| <b>Gene ID :</b>               | 2065  |
| <b>Uniprot ID :</b>            | P21860  |
| <b>Alternative Name :</b>      | erb-b2 receptor tyrosine kinase 3 ERBB3, FERLK, LCCS2 |
| <b>Isotype :</b>               | Mouse IgG2a kappa                                     |
| <b>Immunogen Information :</b> | HER3-transfected CHO cells                            |

### Description

HER3 (ERBB3) is a transmembrane protein of the epidermal growth factor receptor family, although it does not have an active tyrosine kinase domain. It can bind its ligand, but for further signaling it needs heterodimerization with other receptor tyrosine kinases of EGFR family. Overexpression of HER3 has been observed in many carcinomas. Activity of HER3 can be modulated by one of its isoforms, that is secreted from the cell, as it lacks the transmembrane domain.

**Specificity :** The mouse monoclonal antibody H3Mab-17 recognizes an extracellular epitope on human HER3, a member of EGFR family of receptor tyrosine kinases, which is overexpressed in many cancers.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 0.1 mg  |
| <b>Purification :</b>      | Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography. |
| <b>Content :</b>           | Concentration: 1 mg/ml<br>Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide   |
| <b>Storage condition :</b> | Store at 2-8°C. Do not freeze.  |

### Application Note

Flow cytometry: Recommended dilution: 0.5-4 µg/ml.

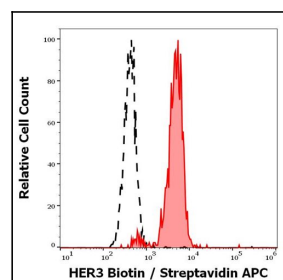


Figure 1: Separation of MCF-7 cells stained using anti-human HER3 (H3Mab-17) Biotin antibody (concentration in sample 0.56 µg/ml, Streptavidin APC, red-filled) from MCF-7 cells unstained by primary antibody (Streptavidin APC, black-dashed) in flow cytometry analysis (surface staining).