

### 30-2581: Anti-Human CD340 PE (Clone : 24D2)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	24D2
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	PE
<b>Gene :</b>	ERBB2
<b>Gene ID :</b>	2064
<b>Alternative Name :</b>	ERBB2, NEU, NGL, HER2, TKR1, MLN 19, erb-b2 receptor tyrosine kinase 2
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	NIH-3T3/huCD340 cells

#### Description

The oncoprotein ErbB2/HER2 (human epidermal growth factor receptor 2), also known as Neu or CD340, is a 185 kDa transmembrane tyrosine kinase of cell surface growth factor receptor family. It is present in a wide variety cell types of normal human fetal and adult tissues and is frequently overexpressed in human carcinomas (e.g. in 20-30% cases of breast cancer cells). Activation of ErbB2 triggers intracellular signalling events, which are essential for cell growth and differentiation. In the last 20 years ErbB2 antigen has become very important marker and therapy target in patient care.

**Specificity :** The mouse monoclonal antibody 24D2 recognizes an extracellular epitope of human CD340 (HER-2), a type I transmembrane protein expressed by mesenchymal stem cells, B-lymphoblastic leukemia cells, subsets of C-ALL blasts, and various types of carcinomas.

#### Product Info

<b>Amount :</b>	100 tests
<b>Purification :</b>	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
<b>Content :</b>	Formulation : Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
<b>Storage condition :</b>	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

#### Application Note

**Flow cytometry:** The reagent is designed for analysis of human blood cells using 10  $\mu$ l reagent / 100  $\mu$ l of whole blood or  $10^6$  cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.