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30-2736-AC: Anti-Hu HER3 APC

Clonality :	Monoclonal
Clone Name :	H3Mab-17
Application :	FACS
Reactivity :	Human
Conjugate :	APC
Gene :	ERBB3
Gene ID :	2065
Uniprot ID :	P21860
Alternative Name :	erb-b2 receptor tyrosine kinase 3 ERBB3, FERLK, LCCS2
Isotype :	Mouse IgG2a kappa
Immunogen Information :	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 its 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

Amount :	100 tests (T100)
Purification :	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Content :	Storage Buffer: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Application Note

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

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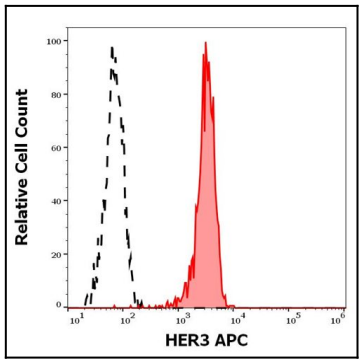

Figure 1: Separation of MCF-7 cells stained using anti-human HER3 (H3Mab-17) APC antibody (concentration in sample 0.56 µg/ml, red-filled) from MCF-7 cells stained using mouse IgG2a isotype control (MOPC-173) APC antibody (concentration in sample 0.56 µg/ml, same as HER3 APC concentration, black-dashed) in flow cytometry analysis (surface staining).