**DESCRIPTION**

**Species Reactivity** Human

**Specificity** Detects human Nectin-4 in direct ELISAs and Western blots. In direct ELISAs and Western blots, does not cross-react with recombinant human Nectin-1, -2, -3, or recombinant mouse Nectin-4.

**Source** Monoclonal Mouse IgG2B Clone # 337516

**Purification** Protein A or G purified from hybridoma culture supernatant

**Immunogen** Mouse myeloma cell line NS0-derived recombinant human Nectin-4 Gly27-Val351

**Accession #** Q96NY8

**Conjugate** Phycoerythrin

**Excitation Wavelength:** 488 nm

**Emission Wavelength:** 565-605 nm

**Formulation** Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.

*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

**APPLICATIONS**

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

<table>
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<tr>
<th>Recommended Concentration</th>
<th>Sample</th>
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<td>10 µL/10⁶ cells</td>
<td>See Below</td>
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**DATA**

Detection of Nectin-4 in MCF-7 Human Cell Line by Flow Cytometry. MCF-7 human breast cancer cell line was stained with Mouse Anti-Human Nectin-4 PE-conjugated Monoclonal Antibody (Catalog # FAB2659P, filled histogram) or isotype control antibody (Catalog # IC0041P, open histogram). View our protocol for Staining Membrane-associated Proteins.

**PREPARATION AND STORAGE**

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** Protect from light. Do not freeze.

- 12 months from date of receipt, 2 to 8 °C as supplied.

**BACKGROUND**

Nectin-4 is a type I transmembrane glycoprotein belonging to the Nectin family of Ig superfamily proteins. It is both a homophilic and heterophilic (with Nectin-1) cell adhesion molecule that is expressed in the embryo and in breast carcinoma. A soluble form of Nectin-4 is generated from the membrane protein via the action of TACE/ADAM-17. The extracellular domain of human Nectin-4 shares 90% and 92% amino acid sequence homology with the corresponding regions of mouse and rat Nectin-4, respectively.