

Mouse (monoclonal) Anti-Human p185^{HER-2} (*c-erbB2*) FITC Conjugate

PRODUCT ANALYSIS SHEET

Catalog Number: AHO0918

Lot Number: See product label

Expiration Date: See product label

Clone: 2G11

Quantity: 100 tests/1 mL

Isotype: IgG1

Form of Antibody: Fluorescein isothiocyanate conjugated purified immunoglobulin in 50 mM Tris, 100 mM NaCl, pH 7.4, with 1% BSA and 0.02% sodium azide (Caution: sodium azide is a poisonous and hazardous substance. Handle with care and dispose of properly.).

Purity: >95% prior to addition of stabilizer and preservative, as determined by SDS-PAGE.

Specificity: This monoclonal antibody specifically recognizes human p185^{HER-2}, a receptor protein tyrosine kinase with M_r=185 kDa which is also known as *c-erbB-2*. This protein is the cellular homolog of the neu oncogene.














p185^{HER-2} is comprised of an extracellular ligand binding domain, a single transmembrane domain, a tyrosine kinase domain, and a C terminal region which mediates signaling. p185^{HER-2} forms heterodimers with other members of the EGF receptor family, such as *c-erbB-1*. In response to ligand binding, p185^{HER-2} is autophosphorylated on five tyrosine residues at its C terminus, producing docking sites for SH2 domain containing proteins such as phospholipase C_γ, PI3-K, Src, CHK, and others.

Over-expression of p185^{HER-2} is observed in 15-40% of primary human breast tumors, and correlates with poor prognosis in node positive breast cancer. p185^{HER-2} over-expression is also observed in ovarian, gastric, salivary, and non-small cell lung carcinomas.

Applications: Use 10 μL to label 10⁶ cells in flow cytometry. This antibody is also suitable for use in immunohistochemistry with cell smears or cryostat sections. Acetone or acetone-chloroform fixation of cryostat sections is recommended. The optimal concentration should be determined for each specific application.

Storage: Store at 2-8°C.

Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		<i>In vitro</i> diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

For research use only. CAUTION: Not for human or animal therapeutic or diagnostic use.

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PIAHO0918

(Rev 06/10) DCC-10-1586

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