



Human ErbB2/Her2 Monoclonal Antibody (Research Grade Trastuzumab Biosimilar)

Recombinant Monoclonal Human IgG1 Clone #FB001

Catalog Number: BIO-018

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ErbB2/Her2 in direct ELISA. This non-therapeutic antibody uses the same variable region sequences (VH, VL) as the therapeutic antibody Trastuzumab. This product is for research use only.
Source	Recombinant Monoclonal Human IgG1 Clone #FB001
Purification	Protein A/G purified from CHO cell culture supernatant
Immunogen	Human ErbB2/Her2
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method
Formulation	0.2 µm filtered solution in PBS

APPLICATION

	Recommended Concentration
Flow Cytometry	0.25 µg/10 ⁶ cells
Inhibition of Cell Growth	Measured by its ability to inhibit proliferation in the SK-BR-3 human breast cancer cell line. The ED ₅₀ for this effect is typically 15-75 ng/ml.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/ml in sterile 1xPBS
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 to -70°C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">• 12 months from the date of receipt, -20 to -70°C as supplied.• 1 month, 2 to 8°C under sterile conditions

BACKGROUND

Trastuzumab is a humanized monoclonal antibodies used in the treatment of HER2-positive breast cancer. Trastuzumab binds close to the transmembrane domain, inhibiting HER2 dimerization. It induces antibody-dependent cell-mediated cytotoxicity.