

DESCRIPTION

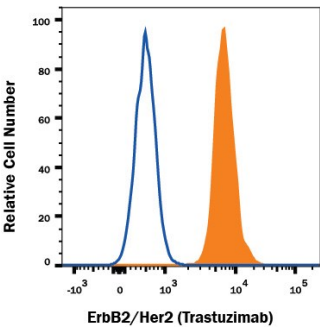
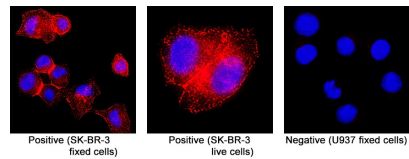
Species Reactivity	Human
Specificity	Detects human ErbB2/Her2 in direct ELISAs. This non-therapeutic antibody uses the same variable region sequence as the therapeutic antibody Trastuzumab. This product is for research use only.
Source	Recombinant Monoclonal Human IgG ₁ Clone # Hu5
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Human ErbB2/Her2
Conjugate	Biotin Excitation Wavelength: N/A nm Emission Wavelength: N/A 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.

	Recommended Concentration	Sample
Flow Cytometry	10 $\mu\text{L}/10^6$ cells	See Below
Immunocytochemistry	5-25 $\mu\text{g}/\text{mL}$	Live and fixed SK-BR-3 human breast cancer cell line

DATA

<p>Flow Cytometry</p>  <p>Detection of ErbB2/Her2 in MCF-7 human cell line by Flow Cytometry. MCF-7 human cell line was stained with Biotinylated Human Anti-Human ErbB2/Her2 (Research Grade Trastuzumab Biosimilar) Monoclonal Antibody (Catalog # FAB9589B, filled histogram) followed by APC-conjugated Streptavidin (Catalog # F0050). View our protocol for Staining Membrane-associated Proteins.</p>	<p>Immunocytochemistry</p>  <p>ErbB2/Her2 in SK-BR-3 Human Cell Line. ErbB2/Her2 was detected in both live and fixed SK-BR-3 human breast cancer cell line and but not detected in fixed U937 human histiocytic lymphoma cell line. SK-BR-3 live cells were incubated for 1 hour at 4°C with Anti-Human ErbB2/Her2 Biotinylated Monoclonal Antibody (FAB9589B) diluted at 5 $\mu\text{g}/\text{mL}$ with HBSS. SK-BR-3 and U937 fixed cells were incubated for 2 hours at room temperature with Anti-Human ErbB2/Her2 Biotinylated Monoclonal Antibody (FAB9589B) diluted with antibody diluent. Cells were stained using the NorthernLights™ 557-conjugated Streptavidin (red; Catalog # NL999) and counterstained with DAPI (blue). Specific staining was localized to plasma membrane. View our protocol for Fluorescent ICC Staining of Cells on Coverslips.</p>
--	--

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Do not freeze. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

ErbB2/Her2 (Research Grade Trastuzumab Biosimilar) Biotinylated Antibody

Recombinant Monoclonal Human IgG₁ Clone # Hu5

Catalog Number: FAB9589B

100 Tests

BACKGROUND

Trastuzumab is a biosimilar directed against the extracellular domain of Her2 (ErbB1). The biotinylated antibody can be used in flow cytometry or various assay format to measure Her2 expression and can be detected by conjugated streptavidin.