

# Human ErbB2/Her2 (Research Grade Trastuzumab Biosimilar) Alexa Fluor® 488-conjugated Antibody

Recombinant Monoclonal Human IgG<sub>1</sub> Clone # Hu5

Catalog Number: FAB9589G

## DESCRIPTION

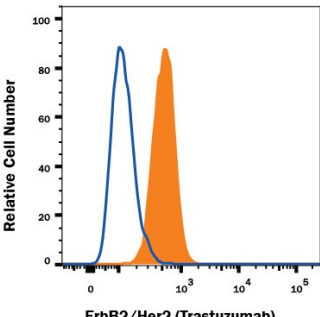
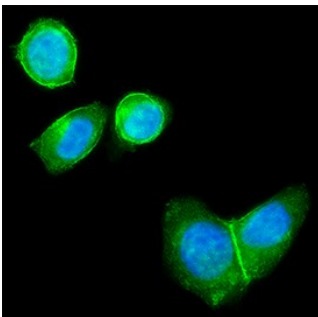
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human ErbB2/Her2 in direct ELISAs. This non-therapeutic antibody uses the same variable region sequence as the therapeutic antibody Trastuzumab. This product is for research use only.
<b>Source</b>	Recombinant Monoclonal Human IgG <sub>1</sub> Clone # Hu5
<b>Purification</b>	Protein A or G purified from cell culture supernatant
<b>Immunogen</b>	Human ErbB2/Her2
<b>Conjugate</b>	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
<b>Formulation</b>	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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	See Below
<b>Immunocytochemistry</b>	5-25 µg/mL	Immersion fixed SK-BR-3 human breast cancer cell line

## DATA

<b>Flow Cytometry</b>	<b>Immunocytochemistry</b>
 <p><b>Detection of ErbB2/Her2 in MCF-7 human cell line by Flow Cytometry.</b> MCF-7 human cell line was stained with Human Anti-Human ErbB2/Her2 (Research Grade Trastuzumab Biosimilar) Alexa Fluor® 488-conjugated Monoclonal Antibody (Catalog # FAB9589G, filled histogram) or irrelevant antibody (open histogram). View our protocol for <a href="#">Staining Membrane-associated Proteins</a>.</p>	 <p><b>ErbB2/Her2 in SK-BR-3 Human Cell Line.</b> ErbB2/Her2 was detected in immersion fixed SK-BR-3 human breast cancer cell line using Human Anti-Human ErbB2/Her2 (Research Grade Trastuzumab Biosimilar) Alexa Fluor® 488-conjugated Monoclonal Antibody (Catalog # FAB9589G, green) at 5 µg/mL for 3 hours at room temperature. Cells were counterstained with DAPI (blue). Specific staining was localized to cell membrane and cytoplasm. Staining was performed using our protocol for <a href="#">Fluorescent ICC Staining of Non-adherent Cells</a>.</p>

## PREPARATION AND STORAGE

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

## BACKGROUND

Trastuzumab is a biosimilar directed against the extracellular domain of Her2 (ErbB1). This antibody can be used in flow cytometry or various assay formats to measure Her2 expression.

## PRODUCT SPECIFIC NOTICES

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