

DESCRIPTION

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| 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 # Hu4F2 |
| Purification | Protein A or G purified from cell culture supernatant |
| Immunogen | Human ErbB2/Her2 |
| Formulation | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS. |

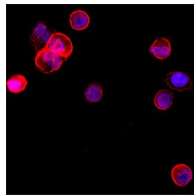
APPLICATIONS

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.

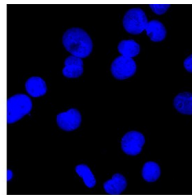
| | Recommended Concentration | Sample |
|----------------------------|----------------------------------|---|
| Immunocytochemistry | 5-25 µg/mL | Immersion fixed SK-BR-3 human breast cancer cell line |

DATA

Immunocytochemistry



Positive (SK-BR-3 cells)



Negative (THP-1 cells)

ErbB2/Her2 in SK-BR-3 Human Cell Line. ErbB2/Her2 was detected in immersion fixed SK-BR-3 human breast cancer cell line (positive staining) and THP-1 human acute monocytic leukemia cell line (negative staining) using Human Anti-Human ErbB2/Her2 (Research Grade Trastuzumab Biosimilar) Monoclonal Antibody (Catalog # MAB11042) at 5 µg/mL for 3 hours at room temperature. Cells were stained using Anti-human-Cy3 antibody (red) and counterstained with DAPI (blue). Specific staining was localized to cell surface and cytoplasm. Staining was performed using our protocol for Fluorescent ICC Staining of Non-adherent Cells.

PREPARATION AND STORAGE

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|--------------------------------|--|
| Reconstitution | Reconstitute at 0.5 mg/mL in sterile PBS. |
| Shipping | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) 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 date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution. |

BACKGROUND

Trastuzumab is a biosimilar directed against the extracellular domain of Her2 (ErbB2). This product constitutes the immunogen used for the anti-Idiotypic catalog numbers MAB9547 and MAB95471. The biotinylated antibody (catalog number FAB9589B) can be used in flow cytometry or various assay formats to measure Her2 expression and can be detected by conjugated streptavidin.