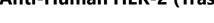
Anti-Human HER-2 (Trastuzumab) - Biotin





Product Information

IVMB0450

Product SKU: IVMB0450 Clone: 4D5-8 Target: HER-2/neu

Size: 100 μg Isotype: Human IgG1

Additional Information

Reactivity: Human Host Species: Human

Antibody Type: Biosimilar Recombinant Human Monoclonal Antibody Expression Host: HEK-293 Cells

Immunogen Information

Background: Trastuzumab is a monoclonal antibody targeting HER2, a 185 kDa transmembrane

glycoprotein that contains an extracellular domain and intracellular tyrosine kinase activity.

When it is functioning normally, the HER2 pathway supports cell growth and division. On

the other hand, the over expression of HER2 propels cell growth beyond its typical range.

This overexpression is associated with some cancers, namely breast and stomach, in which

the HER2 protein can be expressed up to 100 times more than in typical cells. Trastuzumab

induces an immune-mediated response that triggers the internalization and downregulation

of HER2 making it an excellent target for immunotherapy. Several clinical studies are under

way which show that anti-HER-2/neu antibodies inhibit the growth and proliferation of

these tumor cells In vitro as well as In vivo.

Product Concentration: ≥ 5.0 mg/ml

Applications: ELISA

Synonyms: ErbB-2, NEU, NGL, HER2, TKR1, CD340, MLN 19, HER-2/neu

Antigen Distribution: Ubiquitous expression with highest expression levels found in the kidney, skin, esophagus,

and small intestine.

Immunogen: Human epidermoid carcinoma cells (A431) over-expressing EGFR.



Formulation: This Biotinylated antibody is formulated in 0.01 M phosphate buffered saline (150 mM NaCl)

PBS pH 7.4, 1% BSA and 0.09% sodium azide as a preservative.

Specificity: This non-therapeutic biosimilar antibody uses the same variable region sequence as the

therapeutic antibody Trastuzumab. Clone 4D5-8 recognizes human erbB-2. This product is

for research use only.

Pathogen Testing: -

Storage & Handling: This biotinylated antibody is stable when stored at 2-8°C.Do not freeze.