
HER2/neu [654-662] Peptide

Subcategory: Synthetic Peptide

Cat. No.: 350219

Unit: 1 mg

Description:

The HER2/neu oncogene encodes a 185-kDa transmembrane protein with homology to the epidermal growth factor receptor. HER2 is overexpressed in 30-40% of breast and ovarian cancers, and this overexpression was shown to correlate with aggressiveness of malignancy and poor prognosis. The HER2/neu [654-662] peptide, also called HER2/neu GP2, is a tumor-associated antigen shared among several adenocarcinomas including pancreatic carcinoma, suggesting a common mechanism of recognition of these human tumors by T lymphocytes.

Format: Each vial contains 1 mg of lyophilized solid packaged under an inert gas and supplied as a trifluoroacetate salt.

Alternate Names: Receptor tyrosine-protein kinase erbB-2; EC2.7.10.1; p185erbB2; C-erbB-2; NEU proto-oncogene; Tyrosine Kinase-type cell surface receptor HER2; MLN 19; CD340 antigen; ERBB2; HER2; NEU; NGL; HER2/neu [654-662] GP2

Accession No.: P04626

MW: 884.12 g/mol

Sequence: Human: H-Ile-Ile-Ser-Ala-Val-Val-Gly-Ile-Leu-OH or H-IISAVVGIL-OH

Composition: C₄₂H₇₇N₉O₁₁

Purity: Purity > 95% by HPLC

Solubility: 100% DMSO, DMF or acetonitrile for stock solution.

Storage: Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, aliquot and store at -20°C.

For research use only, not for diagnostic or therapeutic procedures.