

Product Data Sheet

<b>Cat#</b>	<b>SP-51879-5</b>
<b>Description:</b>	E75, Her - 2/neu (369 - 377) (AA: Lys-Ile-Phe-Gly-Ser-Leu-Ala-Phe-Leu) (MW: 995.24)
<b>Size:</b>	5 mg
<b>Purity:</b>	>95%
<b>Store:</b>	Desiccated at -20oC.

HER2 (Human Epidermal Growth Factor Receptor 2) also known as Neu, ErbB-2, CD340 (cluster of differentiation 340) or p185 is a protein that in humans is encoded by the ERBB2 gene. Amplification or over-expression of the ERBB2 gene occurs in approximately 30% of breast cancers. HER2 is the target of the monoclonal antibody trastuzumab (Herceptin). Trastuzumab is effective only in cancers where HER2 is over-expressed. Other approaches such as DNA-based vaccines against Her2 using either the full length expression of her2 (pE2A) or extracellular domain or intracellular domains (pE2TM, pSec2, p185 or MVA-BN-Her2) are being used to produce antibodies to Her2. Similarly, Her 2 peptide-derived vaccine (E75, GP2, AE37 peptide or multiple peptides) are being tested to induce antibodies to Her2.

**Related Items**

<b>200-510-HLG</b>	Herceptin/Trasuzumab ELISA Kit for human, 96 tests	<b>200-700-HRH</b>	Human Anti-Her2 vaccine (AE37-peptide) IgG ELISA kit
<b>200-520-HAG</b>	Human Anti-Herceptin/Trasuzumab Antibody (HAHA) Kit 96 tests	<b>200-710-HRM</b>	Human Anti-Her2 vaccine (AE37-peptide) IgM ELISA kit
<b>SM-101000-50</b>	EGFR/HER2 kinase inhibitor (>99%, M.wt 485.94) (Afatinib/BIBW-2992)	<b>200-720-HRH</b>	Mouse Anti-Her2 vaccine (AE37-peptide) IgG ELISA kit
<b>SM-101010-5</b>	Inhibitor of EGFR/HER family (Her1, Her2, Her3 or Pan Her-inhibitor) (BMS-59926/AC480, Mol wt 567.01, >99%)	<b>200-730-HRM</b>	Mouse Anti-Her2 vaccine (AE37-peptide) IgM ELISA kit
<b>SM-101010-50</b>	Inhibitor of EGFR/HER family (Her1, Her2, Her3 or Pan Her-inhibitor) (BMS-59926/AC480, Mol wt 567.01, >99%)	<b>SM-101000-5</b>	EGFR/HER2 kinase inhibitor (>99%, M.wt 485.94) (Afatinib/BIBW-2992)
<b>SM-101020-10</b>	Inhibitor of EGFR/HDAC/Her2 (CUDC-101; 7-((4-((3-ethynylphenyl)amino)-7-methoxyquinazolin-6-yl)oxy)-N-hydroxyheptanamide, Mol wt 434.49, >99%)	<b>SM-101040-25</b>	Cell permeable Inhibitor of EGFR/ERB family/Her2 (Neratinib/HKI-272, mol wt 557.04; >98%)
<b>SM-101020-50</b>	Inhibitor of EGFR/HDAC/Her2 (CUDC-101; 7-((4-((3-ethynylphenyl)amino)-7-methoxyquinazolin-6-yl)oxy)-N-hydroxyheptanamide, Mol wt 434.49, >99%)	<b>SM-101050-10</b>	Cell permeable Inhibitor of EGFR2/FGFR/PDGFR/JAK1/Her2 ((E)-4-((4-1H-1,2,3-Triazol-1-yl)butyl)phenoxy)methyl)-2-(4-trifluoromethyl)oxazole, mol wt 468; >98%)
<b>SM-101040-5</b>	Cell permeable Inhibitor of EGFR/ERB family/Her2 (Neratinib/HKI-272, mol wt 557.04; >98%)	<b>SM-101050-100</b>	Cell permeable Inhibitor of EGFR2/FGFR/PDGFR/JAK1/Her2 ((E)-4-((4-1H-1,2,3-Triazol-1-yl)butyl)phenoxy)methyl)-2-(4-trifluoromethyl)oxazole, mol wt 468; >98%)
<b>HER2-369-P</b>	HER2 peptide, (369 –377), E75 vaccine candidate	<b>SM-101060-25</b>	Lapatinib Ditosylate (GW572016, GW2016, Tykerb, Tyverb), Autophos. Inhibitor of Her2/Erb2 (mol wt 925; >98%)
<b>HER2-563-P</b>	HER2 peptide, cyclic, (563-598, cys-cys disulphide bond); vaccine candidate	<b>SM-101060-100</b>	Lapatinib Ditosylate (GW572016, GW2016, Tykerb, Tyverb), Autophos. Inhibitor of Her2/Erb2 (mol wt 925; >98%)
<b>HER2-585-P</b>	HER2 peptide, cyclic, (585-598, cys-cys disulphide bond); vaccine candidate	<b>SM-101070-10</b>	Canertinib (CI-1033), kinase Inhibitor of Her2/Erb2/EGFR (mol wt 485; >98%)
<b>HER2-597-P</b>	HER2 peptide, cyclic, (597-626, cys-cys disulphide bond) vaccine candidate	<b>SM-101070-50</b>	Canertinib (CI-1033), kinase Inhibitor of Her2/Erb2/EGFR (mol wt 485; >98%)
<b>HER25-R-10</b>	HER2/Erb2 recombinant protein (1-652, extracellular domain), Human (E. coli)	<b>SM-101080-5</b>	CP-724,714, Potent and selective Inhibitor of Her2/Erb2 (mol wt 469; >98%)
<b>HER2-613-P</b>	HER2 peptide, cyclic, (613-626, cys-cys disulphide bond); vaccine candidate	<b>SM-101080-25</b>	CP-724,714, Potent and selective Inhibitor of Her2/Erb2 (mol wt 469; >98%)
<b>HER2-654-P</b>	HER2 peptide, (654 – 662), GP2 vaccine candidate	<b>SM-101090-5</b>	AZD8931, reversible and competitive Inhibitor of Her2/Erb2/ErbB3 (mol wt 473; >98%)
<b>HER26-R-10</b>	HER2/Erb2 recombinant protein (676–1255, intracellular domain), Human (E. coli), GST Tag	<b>SM-101090-25</b>	AZD8931, reversible and competitive Inhibitor of Her2/Erb2/ErbB3 (mol wt 473; >98%)
<b>HER2-776-P</b>	HER2 peptide, (776 – 790 fused with LRMK, C-Term ), GP2 vaccine candidate	<b>SM-101100-5</b>	AEE788 (NVP-AEE788), dual Inhibitor of Her2/Erb2/EGFR (mol wt 440; >98%)
<b>HER2-MP1</b>	HER2 multi peptide, (369-386, 688-703,971-984); vaccine candidate	<b>SM-101100-25</b>	AEE788 (NVP-AEE788), dual Inhibitor of Her2/Erb2/EGFR (mol wt 440; >98%)
<b>HER2-MP2</b>	HER2 multi peptide, (776-790,927-941,1116-1180); vaccine candidate	<b>SM-101110-10</b>	Mubritinib (TAK-165), potent Inhibitor of Her2/Erb2 (IC50=6 nm; mol wt 468; >98%)
<b>HER2-MP3</b>	HER2 multi peptide, (42-56,98-114,328-345); vaccine candidate	<b>SM-101110-50</b>	Mubritinib (TAK-165), potent Inhibitor of Her2/Erb2 (IC50=6 nm; mol wt 468; >98%)
<b>HER2-597-A</b>	Anti-HER2 peptide IgG (cyclic 597-626 vaccine candidate) Aff pure	<b>SM-101120-5</b>	Arry-380, Oral, potent Inhibitor of Her2/Erb2 Tyr kinase (IC50=8 nM; mol wt 869; >98%)
<b>HER2-369-A</b>	Anti-HER2 peptide IgG (cyclic 367-37; E75 vaccine candidate) Aff pure	<b>SM-101120-25</b>	Arry-380, Oral, potent Inhibitor of Her2/Erb2 Tyr kinase (IC50=8 nM; mol wt 869; >98%)
<b>200-600-HRH</b>	Human Anti-Her2 Protein (ECD) IgG ELISA kit for Her2 vaccine	<b>SM-101130-5</b>	Tak-285, dual Inhibitor of Her2/EGFR Tyr kinase (IC50=17 nM; mol wt 547; >98%)
<b>200-610-HRM</b>	Human Anti-Her2 Protein (ECD) IgM ELISA kit for Her2 vaccine	<b>SM-101130-25</b>	Tak-285, dual Inhibitor of Her2/EGFR Tyr kinase (IC50=17 nM; mol wt 547; >98%)
<b>200-620-HRH</b>	Mouse Anti-Her2 Protein (ECD) ELISA kit for Her2 vaccine	<b>SM-101030-25</b>	Lapatinib, Inhibitor of Her2/EGFR (IC50=10 nM; mol wt 581; >98%)
<b>200-630-HRM</b>	Mouse Anti-Her2 Protein (ECD) IgM ELISA kit for Her2 vaccine	<b>SM-101030-100</b>	Lapatinib, Inhibitor of Her2/EGFR (IC50=10 nM; mol wt 581; >98%)
<b>200-640-HRH</b>	Human Anti-Her2 vaccine (E75-peptide) IgG ELISA kit		
<b>200-650-HRM</b>	Human Anti-Her2 vaccine (E75-peptide) IgM ELISA kit		
<b>200-660-HRH</b>	Mouse Anti-Her2 vaccine (E75-peptide) IgG ELISA kit		
<b>200-670-HRM</b>	Mouse Anti-Her2 vaccine (AE37-peptide) IgM ELISA kit		
<b>SP-51879-5</b>	121211A		

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