

<b>Product Name:</b>	Trastuzumab
<b>Product Number:</b>	T114
<b>CAS Number:</b>	180288-69-1
<b>Molecular Formula:</b>	$C_{6470}H_{10012}N_{1726}O_{2013}S_{42}$
<b>Molecular Weight:</b>	145531.5
<b>Form:</b>	Liquid
<b>Storage Conditions:</b>	-20°C
<b>Description:</b>	Trastuzumab is a recombinant humanized monoclonal antibody that is used in the treatment of cancer.
<b>Mechanism of Action:</b>	<p>This product comes in a liquid form with a protein content of &gt;15 mg/mL.</p> <p>HER2 is a receptor tyrosine kinase and epidermal growth factor which overexpresses in breast cancer cells causing over-proliferation. Trastuzumab targets the extracellular domain IV of HER2, keeping it from dimerizing and activating.</p>
<b>References:</b>	<p>Vu, T., &amp; Claret, F. X. (2012). Trastuzumab: Updated Mechanisms of Action and Resistance in Breast Cancer. <i>Frontiers in Oncology</i>, 2, 62. <a href="http://doi.org/10.3389/fonc.2012.00062">http://doi.org/10.3389/fonc.2012.00062</a></p>