

Datasheet**Anti-human HER-2****Humanized anti-human HER-2**

Product	Description	Catalogue-No.	Size
Anti-human HER-2	Lyophilized monoclonal antibody	CB-1121500	500 µg

Background Information

Human Epidermal growth factor Receptor 2 (HER2), also called ERBB2, HER-2, HER-2/neu, NEU, NGL, TKR1 and c-erb B2, and is a protein giving higher aggressiveness in breast cancers. It is a member of the ErbB protein family, more commonly known as the epidermal growth factor receptor family. HER2 is a cell membrane surface-bound receptor tyrosine kinase and is normally involved in the signal transduction pathways leading to cell growth and differentiation. HER2 is thought to be an orphan receptor, with none of the EGF family of ligands able to activate it. Approximately 30% of breast cancers have an amplification of the HER2 gene or overexpression of its protein product. Overexpression of this receptor in breast cancer is associated with increased disease recurrence and worse prognosis. HER2 appears to play roles in development, cancer, communication at the neuromuscular junction and deregulation of cell growth and differentiation.

Storage conditions and stability

Lyophilized HER-2 is stable at 2 – 8 °C for 24 months from production date.

The lyophilized HER-2 should be reconstituted in sterile distilled water to your desired concentration. Should be stored in working aliquots at -20°C when reconstituted.

Composition

Sourced from CHO cells. Protein A purified from cell culture supernatant (Immunogen: human recombinant HER-2). Lyophilized from a 0.2 µm filtered solution in PBS with HSA

Purity: > 95.0%

Biological activity: reactive for human cells.

Recommended concentration: For ELISA 1:2,000 – 1:5,000

Endotoxin Level: <2.0 EU/mg

Technical support

For technical support, questions or remarks please contact your local PAN-Biotech partner or the technical department of PAN-Biotech via email (info@pan-biotech.com) or phone +49-8543-601630.
