

## Anti-HER2 Affibody<sup>®</sup> Molecule, Agarose Immobilized

### BACKGROUND

The human epidermal growth factor receptor HER2 (Her2/neu, ErbB2, or c-erb-b2) is a growth factor receptor that is expressed on many cell types. HER2-proteins are over-expressed in a number of cancer types and assemble in homo- or heterodimers to form functional signaling units. When over-expressed, homo- or heterodimers of HER2 cause increased proliferation, decreased apoptosis, enhanced tumor cell motility and neo-angiogenesis – all being traits strongly associated with tumor formation. Thus, the her2 gene is considered an oncogene.

The Anti-HER2 Affibody<sup>®</sup> molecule is a highly specific affinity ligand selected against the extra cellular domain of HER2. The molecule is immobilized on agarose at the unique C-terminal cysteine. The agarose immobilized Anti-HER2 Affibody<sup>®</sup> molecule is excellent for immunoprecipitation studies of HER2 in cell extracts or other solutions that contain HER2 proteins. In addition, the Anti-HER2 Affibody<sup>®</sup> molecule may also be used for affinity chromatography.

### PRODUCT INFORMATION

**Product name:** Anti-HER2 Affibody<sup>®</sup> molecule, Agarose Immobilized.

**Catalog number:**

200 µl: 10.0817.04.0002

**Source:** Recombinant protein produced in *E. coli*.

**Specificity:** Anti-HER2 Affibody<sup>®</sup> molecule binds to extracellular domain of human epidermal growth factor receptor 2 (HER2). Cross reactivity with other species has not been tested.

**MW:** 14.5 kDa

**Purity:** >98% as determined by SDS-PAGE and RP-HPLC analysis.

**Tested applications:** Immunoprecipitation.

**Form:** As 50% slurry in buffer solution (20 mM Sodium Phosphate, 150 mM Sodium Chloride, 0.02%(w/v) Sodium Azide, pH 7.5).

**Storage:** At +4°C. Avoid freezing.

**Shipping:** At ambient temperature.

**Stability:** There is no decrease in performance of the agarose immobilized Affibody<sup>®</sup> molecule after storage for 2 weeks at +37°C.

**Product support:** [www.affibody.com/shop](http://www.affibody.com/shop)  
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### LIMITATIONS

Warranty: Affibody<sup>®</sup> products are warranted to meet stated product specifications and to confirm to label descriptions when used and stored properly. Unless otherwise stated, this warranty is limited to one year from date of sales for products used, handled and stored according to Affibody AB's instructions. Affibody AB's sole liability is limited to replacement of the product or refund of the purchase price. Affibody<sup>®</sup> products are supplied for research use only. They are not intended for medicinal, diagnostic or therapeutic use. Affibody<sup>®</sup> products may not be resold, modified for resale or used to manufacture commercial products without prior written approval from Affibody AB.

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