

## Anti-Receptor tyrosine-protein kinase erbB-3 [BCD090-M2] Bulk Size Ab01238-10.9-BT

This chimeric human antibody was made using a variable domain sequence of the original VHH format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1-Fc fusion

**Clone Number:** BCD090-M2

**Alternative Name(s) of Target:** HER3; Proto-oncogene-like protein c-ErbB-3; tyrosine kinase-type cell surface receptor HER3; erbB3

**UniProt Accession Number of Target Protein:** P21860

**Published Application(s):** crystallography, SPR

**Published Species Reactivity:** Human

**Immunogen:** The sdAb was selected from a Llama-derived phage antibody library.

**Specificity:** BCD090-M2 recognises erbB3, a receptor tyrosine kinase. The overexpression of erbB3 in breast cancers is associated with reduced survival in patients.

**Application Notes:** The crystal structure of BCD090-M2 has been obtained (Eliseev et al, 2018). SPR indicates the equilibrium dissociation constant for BCD090-M2 bound to immobilised erbB3 is 1  $\mu\text{m}$  (Eliseev et al, 2018).

**Antibody First Published in:** Eliseev et al, 2018. Crystal structures of a llama VHH antibody BCD090-M2 targeting human ErbB3 receptor F1000Research 2018, 7:57 [PMID:](#)

**Note on publication:** Describes the purification of BCD090-M2 from the phage antibody library and its characterisation through SPR and crystallography.

### Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Purified by Immobilized Metal Affinity Chromatography

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:**

1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.