

Anti-Receptor tyrosine-protein kinase erbB-3 [BCD090-M2] Standard Size Ab01238-10.9

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 µM (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: 200 µg Purified antibody.

Purification: Purified by Immobilized Metal Affinity Chromatography

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. 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.