

# Product Datasheet

## EGFR Antibody (DH8.3) [CoraFluor™ 1] NBP2-50599CL1

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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**NBP2-50599CL1**

EGFR Antibody (DH8.3) [CoraFluor™ 1]

| Product Information |   |
|---------------------|---|
| Unit Size           | 0.1 ml  |
| Concentration       | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C in the dark. Do not freeze.   |
| Clonality           | Monoclonal  |
| Clone               | DH8.3   |
| Preservative        | No Preservative   |
| Isotype             | IgG1  |
| Conjugate           | CoraFluor 1   |
| Purity              | Protein G purified  |
| Buffer              | PBS   |

| Product Description     |   |
|-------------------------|---|
| Description             | CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(IM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. CoraFluor(TM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays. |
| Host                    | Mouse   |
| Gene ID                 | 1956  |
| Gene Symbol             | EGFR  |
| Species                 | Human   |
| Specificity/Sensitivity | Clone DH8.3 of EGF R/ErbB1 antibody is specific for Truncated EGFR which is also called EGFR type III, EGFRvIII or delta-EGFR (characterised by a deletion of 267 amino acids in the extracellular domain, leading to a receptor which is unable to bind ligand yet is constitutively active). Because of its impaired internalisation and degradation, EGFRvIII is known to enhance tumourigenesis. NOTE: Clone DH8.3 DOES NOT cross-react with full length or wildtype EGFR (wtEGFR).   |
| Immunogen               | Synthetic peptide corresponding to the junctional region of the truncated receptor LEEKKGNYYVTDHC, conjugated to keyhole limpet haemocyanin.  |
| Notes                   | CoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254   |

| Product Application Details |   |
|-----------------------------|---|
| Applications                | Western Blot, ELISA, Flow Cytometry, Immunohistochemistry, Immunoprecipitation, CyTOF-ready |
| Recommended Dilutions       | Western Blot, Flow Cytometry, ELISA, Immunohistochemistry, Immunoprecipitation, CyTOF-ready |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.                      |





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### Products Related to NBP2-50599CL1

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|               |                                  |
|---------------|----------------------------------|
| NBP1-84814PEP | EGFR Recombinant Protein Antigen |
| 236-EG-200    | EGF [Unconjugated]               |
| DYC1095B-2    | EGFR [Biotin]                    |
| DVE00         | VEGF [HRP]                       |

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### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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