

# Product Datasheet

## EGFR Antibody (DH8.3) [PE/Cy7] - Mutant NBP2-50599PECY7

Unit Size: 0.1 ml

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

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**NBP2-50599PECY7**

EGFR Antibody (DH8.3) [PE/Cy7] - Mutant

| 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                | 0.05% Sodium Azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Isotype                     | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Conjugate                   | PE/Cy7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Purity                      | Protein G purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Buffer                      | PBS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Product Description         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 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 LEEKKGNYVVT DHC, conjugated to keyhole limpet haemocyanin.                                                                                                                                                                                                                                                                                                                                           |
| 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 NBP2-50599PECY7**

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|                 |                                           |
|-----------------|-------------------------------------------|
| NBP1-97005PECY7 | Mouse IgG1 Isotype Control (MG1) [PE/Cy7] |
| NBP1-84815PEP   | EGFR Recombinant Protein Antigen          |
| 236-EG-200      | EGF [Unconjugated]                        |
| DYC1095B-2      | EGFR [Biotin]                             |

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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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