

# Product Datasheet

## EGFR Antibody (B1D8) [PE/Cy5.5] NBP2-34553PECY55

Unit Size: 0.1 ml

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

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**NBP2-34553PECY55**

EGFR Antibody (B1D8) [PE/Cy5.5]

| 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               | B1D8                                                                                        |
| Preservative        | 0.05% Sodium Azide                                                                          |
| Isotype             | IgG2a Kappa                                                                                 |
| Conjugate           | PE/Cy5.5                                                                                    |
| Purity              | Protein A or G purified                                                                     |
| Buffer              | PBS                                                                                         |

| Product Description     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Gene ID                 | 1956                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Symbol             | EGFR                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Species                 | Human, Mouse (Negative), Rat (Negative)                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Reactivity Notes        | Does not react with Mouse or Rat.                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Specificity/Sensitivity | This antibody reacts with the extracellular domain of EGFR and blocks the EGF/TGF-induced activation. It also blocks tumor growth in vivo. It is excellent for purification of EGFR. EGFR is type I receptor tyrosine kinase with sequence homology to erbB-1, -2, -3 -4 or HER-1, -2, -3 -4. It binds to Epidermal Growth Factor (EGF), Transforming Growth Factor- $\alpha$ (TGF- $\alpha$ ), Heparin-binding EGF (HB-EGF), amphiregulin, betacellulin and epiregulin. |
| Immunogen               | Microsomes from A431 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                              |

| Product Application Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunoaffinity Purification, CyTOF-ready                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Recommended Dilutions       | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunoaffinity Purification, CyTOF-ready                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined. For optimal results using our Tandem dyes, please avoid prolonged exposure to light or extreme temperature fluctuations. These can lead to irreversible degradation or decoupling. When staining intracellular targets, specific attention to the fixation and permeabilization steps in your flow protocol may be required. Please contact our technical support team at <a href="mailto:technical@novusbio.com">technical@novusbio.com</a> if you have any questions. |



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**Products Related to NBP2-34553PECY55**

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|                  |                                                     |
|------------------|-----------------------------------------------------|
| NBP1-96981PECY55 | Mouse IgG2a Kappa Isotype Control (M2AK) [PE/Cy5.5] |
| 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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