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## Product Datasheet

### **EGFR (Epidermal Growth Factor Receptor) (GFR/2341), CF568 conjugate, 0.1mg/mL, Clone: [GFR/2341], Mouse, Monoclonal BOT-BNC682341-500**

|                            |                                                                                                                                                                                                                                                                                |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | EGFR (Epidermal Growth Factor Receptor) (GFR/2341), CF568 conjugate, 0.1mg/mL, Clone: [GFR/2341], Mouse, Monoclonal                                                                                                                                                            |
| Biozol Catalog Number      | BOT-BNC682341-500                                                                                                                                                                                                                                                              |
| Supplier Catalog Number    | BNC682341-500                                                                                                                                                                                                                                                                  |
| Alternative Catalog Number | BOT-BNC682341-500-500UL                                                                                                                                                                                                                                                        |
| Manufacturer               | Biotium                                                                                                                                                                                                                                                                        |
| Host                       | Mouse                                                                                                                                                                                                                                                                          |
| Category                   | Antikörper                                                                                                                                                                                                                                                                     |
| Application                | IHC, WB                                                                                                                                                                                                                                                                        |
| Species Reactivity         | Human                                                                                                                                                                                                                                                                          |
| Immunogen                  | Recombinant fragment of human EGFR protein (around aa 344-492) (exact sequence is proprietary)                                                                                                                                                                                 |
| Conjugation                | CF568                                                                                                                                                                                                                                                                          |
| Product Description        | This MAb recognizes a protein of 170 kDa, identified as 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- $\alpha$ ), He... |
| Clonality                  | Monoclonal                                                                                                                                                                                                                                                                     |
| Concentration              | 0.1 mg/mL                                                                                                                                                                                                                                                                      |
| Clone Designation          | [GFR/2341]                                                                                                                                                                                                                                                                     |

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Molecular Weight  | ~170 kDa (wild type) and ~145 kDa (vIII variant)                                                                                                                                                                                                                                                                                                                                                                                                    |
| UniProt           | <a href="#">P00533</a>                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Buffer            | PBS, 0.1% BSA, 0.05% azide                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Source            | Animal                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Application Notes | Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody Immunohistology (formalin): 1-2 ug/mL for 30 minutes at RT Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 minutes followed by cooling at RT for 20 minutes Optimal dilution for a specific application should be determined by user |