Product Datasheet

EGFR Antibody (DH8.3) - EGFRvIII
NBP2-50599

Unit Size: 0.1 ml

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

Publications: 3

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Updated 7/28/2019 v.20.1

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### Product Information

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit Size</td>
<td>0.1 ml</td>
</tr>
<tr>
<td>Concentration</td>
<td>1 mg/ml</td>
</tr>
<tr>
<td>Storage</td>
<td>Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.</td>
</tr>
<tr>
<td>Clonality</td>
<td>Monoclonal</td>
</tr>
<tr>
<td>Clone</td>
<td>DH8.3</td>
</tr>
<tr>
<td>Preservative</td>
<td>0.02% Sodium Azide</td>
</tr>
<tr>
<td>Isotype</td>
<td>IgG1</td>
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<tr>
<td>Purity</td>
<td>Protein G purified</td>
</tr>
<tr>
<td>Buffer</td>
<td>PBS</td>
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</tbody>
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### Product Description

**Description**

Anti-EGFRvIII antibody clone (DH8.3) recognizes EGFRvIII, a mutated form of EGFR with a truncated extracellular domain found on human tumors. Stably trans

**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.

### Product Application Details

**Applications**

Western Blot, ELISA, Flow Cytometry, Immunohistochemistry, Immunoprecipitation, CyTOF-ready

**Recommended Dilutions**


**Application Notes**

This antibody is Cytof ready.
Flow Cytometry: EGFR Antibody (DH8.3) - EGFRvIII [NBP2-50599] - An intracellular stain was performed on A431 cells with EGFR [DH8.3] Antibody NBP2-50599R (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 µg/mL for 30 minutes at room temperature. Both antibodies were conjugated to DyLight 550.

Flow Cytometry: EGFR Antibody (DH8.3) - EGFRvIII [NBP2-50599] - An intracellular stain was performed on A431 cells with EGFR [DH8.3] Antibody NBP2-50599AF700 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 µg/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 700.

Publications

Johns TG, Stockert E, Ritter G et al. Novel monoclonal antibody specific for the de2-7 epidermal growth factor receptor (EGFR) that also recognizes the EGFR expressed in cells containing amplification of the EGFR gene. Int J Cancer. [PMID: 11920591] (ELISA)

Nishikawa R1, Sugiyama T, Narita Y et al. Immunohistochemical analysis of the mutant epidermal growth factor, deltaEGFR, in glioblastoma. Brain Tumor Pathol. [PMID: 15700833] (IHC)

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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