Technical Data Sheet

Purified Mouse Anti-Human EGF Receptor

Product Information

Material Number: 555996
Size: 0.1 mg
Concentration: 0.5 mg/ml
Clone: EGFR.1
Isotype: Mouse IgG2b, κ
Reactivity: QC Testing: Human
Workshop: NA
Storage Buffer: Aqueous buffered solution containing ≤0.09% sodium azide.

Description

Reacts with epidermal growth factor receptor (EGFR), a glycoprotein of approximately 170 kDa, expressed on most cells. It consists of a glycosylated extracellular domain which recognizes epidermal growth factor (EGF), a transmembrane domain, and an intracellular domain with tyrosine-kinase activity essential for signal transduction. EGFR plays an important role in the growth and differentiation of many cellular types. Transforming growth factor α(TGFα) and vaccinia virus growth factor also interact with EGFR.

Profile of A431, an epidermoid carcinoma cell line, analyzed on a FACScan (BDIS, San Jose, CA).

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. Store undiluted at 4° C.

Application Notes

Application

<table>
<thead>
<tr>
<th>Application</th>
<th>Status</th>
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<tbody>
<tr>
<td>Flow cytometry</td>
<td>Routinely Tested</td>
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<tr>
<td>Fluorescence microscopy</td>
<td>Tested During Development</td>
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Suggested Companion Products

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<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
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<tbody>
<tr>
<td>555740</td>
<td>Purified Mouse IgG2b κ Isotype Control</td>
<td>0.1 mg</td>
<td>27-35</td>
</tr>
<tr>
<td>555988</td>
<td>FITC Goat Anti-Mouse IgG/IgM</td>
<td>0.5 mg</td>
<td>Polyclonal</td>
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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

References