### DESCRIPTION

**Specificity**
Detects proteins containing phosphorylated tyrosine residues in Western blots. In Western blots of pervanadate-treated cell lysates, clone 216954 binds Phospho-Tyrosine in a broad manner largely independent of the surrounding amino acid sequence. No cross-reactivity with proteins or peptides containing phosphorylated serine or threonine residues is observed.

**Source**
Monoclonal Rat IgG2A Clone # 216954

**Purification**
Protein A or G purified from hybridoma culture supernatant

**Immunogen**
KLH-coupled Phospho-Tyrosine synthetic peptide

**Formulation**
Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

*Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

<table>
<thead>
<tr>
<th>Sample</th>
<th>Recommended Concentration</th>
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<tbody>
<tr>
<td>Western Blot</td>
<td>1 µg/mL</td>
</tr>
<tr>
<td>Immunocytochemistry</td>
<td>8-25 µg/mL</td>
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</tbody>
</table>

**Data**

**Western Blot**
Detection of Phospho-Tyrosine by Western Blot. Western blot shows lysates of A431 human epithelial carcinoma cell line untreated (−) or treated (+) with 50 µM pervanadate (PV) for 15 minutes. PVDF membrane was probed with 1 µg/mL of Rat Anti-Phospho-Tyrosine Monoclonal Antibody (Catalog # MAB16761), followed by HRP-conjugated Anti-Rat IgG Secondary Antibody (Catalog # HAF005). Tyrosine-phosphorylated proteins were detected (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 10.

### PREPARATION AND STORAGE

**Reconstitution**
Reconstitute at 0.5 mg/mL in sterile PBS.

**Shipping**
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

**Stability & Storage**
Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.