

## Anti-MEK1/MAP2K1 Antibody Picoband® FITC Conjugated

Catalog Number: PA1376-FITC

### About MAP2K1

Dual specificity mitogen-activated protein kinase kinase 1 is an enzyme that in humans is encoded by the MAP2K1 gene. The protein encoded by this gene is a member of the dual specificity protein kinase family, which acts as a mitogen-activated protein (MAP) kinase kinase. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This protein kinase lies upstream of MAP kinases and stimulates the enzymatic activity of MAP kinases upon activation by a wide variety of extra- and intracellular signals. As an essential component of the MAP kinase signal transduction pathway, this kinase is involved in many cellular processes such as proliferation, differentiation, transcription regulation and development. Rampoldi et al. (1997) localized the MAP2K1 gene to 15q22.1-q22.33.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-MEK1/MAP2K1 Antibody Picoband® FITC Conjugated  |
| Reactive Species     | Human, Mouse, Rat  |
| Application          | Flow Cytometry   |
| Clonality            | Polyclonal   |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N. |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.         |
| Host                 | Rabbit   |
| Uniprot ID           | Q02750   |

### Technical Details

|                  |  |
|------------------|--|
| Immunogen        | A synthetic peptide corresponding to a sequence at the C-terminus of human MEK1, identical to the related mouse and rat sequences. |
| Cross Reactivity | No cross-reactivity with other proteins  |
| Isotype          | Rabbit IgG   |
| Form             | Liquid   |
| Concentration    | 0.5 mg/mL  |
| Purification     | Immunogen affinity purified.   |
| Conjugate        | FITC<br>Excitation Wavelength: 495 nm<br>Emission Wavelength: 525 nm   |

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

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Anti-MEK1/MAP2K1 Antibody - FITC

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