

**MEK1(E203K)****MEK1 (E203K)****Cat. #:** 26268**Gene Symbol:** MAP2K1; MAPKK1; MEK1; MKK1; PRKMK1**Description:** Anti-MEK1(E203K) Mouse Monoclonal Antibody

**Background:** MEK1 (also known as extracellular signal-regulated kinases, ERKs) plays important role in the MAP kinase cascade, which transduces multiple extracellular signals to control cell growth, proliferation and differentiation. Activated upon growth factors stimulation, MEK1 phosphorylates MAPK3/ERK1 and MAPK1/ERK2, thus activates the MAP pathway and regulates transcription. Abnormal of the MEK1 protein, including point mutations, are implicated in diseases such as cardiofaciocutaneous syndrome (CFC) and melanoma.

**Immunogen:** A synthetic peptide from the internal region of MEK1 which includes the mutation of E203K, human origin.

**Applications:** ELISA, WB**Recommended Dilutions:**

ELISA: 1:1000–1:5000

WB: 1:500–1:1000

**Concentration:** 1 mg/ml**Host Species:** Mouse**Format:** Liquid**Clonality:** Monoclonal**Isotype:** IgG**Purity:** Purified from ascites**Preservative:** no

**Constituents:** PBS (without  $Mg^{2+}$  and  $Ca^{2+}$ ), pH 7.4, 150 mM NaCl, 50% glycerol

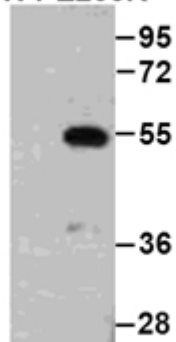
**Species Reactivity:** Recognizes E203K mutant, but not wild type MEK1 of vertebrates.

**Storage Conditions:** Store at  $-20^{\circ}C$ . Avoid repeated freezing and thawing

## Western blot:

MEK1 protein

WT E203K



1 2

WB: Anti- MEK1 (E203K) mAb

**Western blot analysis of recombinant MEK1 (E203K) and wild type proteins.** Purified His-tagged MEK1 (E203K) protein (lane 2) and corresponding wild type protein (lane 1) were blotted with Anti-MEK1(E203K) monoclonal antibody (Cat. #26268).