MEK1

Mouse Anti-Human MEK1/Mitogen-activated Protein Kinase Clone 263P15 mAb

Catalog No.	CSI10983	**Quantity:**	100 µg

Alternate Names: ATMEK1, F20B18.180, F20B18_180, MITOGEN ACTIVATED PROTEIN KINASE KINASE, MKK1, NMAPKK, mitogen-activated protein kinase kinase 1

Description: MEK1 (263P15) UNCONJ MS X; Unconjugated Monoclonal antibody specific to Human, Mouse, Rat MEK1. This antibody is validated for use in Western Blot, Immunoassay (ELISA). Anti-MEK1 recognizes the expressed product of the MAP2K1 gene.

Gene ID: 828713

Specificity: This antibody recognizes a protein of 45 kDa, identified as MEK1 (also known as ERK kinase 1, MAPK kinase 1, and MKK1). MEK1 is a member of a family of tyrosine/threonine protein kinases that activate the ERK1&2/MAPK enzymes by phosphorylating both the threonine and tyrosine residues of the threonine – glutamic acid – tyrosine (TEY) motif located within the activation loop. MEK1 shares approximately

Isotype: IgG_{2a} κ (mouse)

Immunogen: Recombinant human MEK1 protein.

Clone: 263P15

Purification: Purified from ascites by affinity chromatography.

Formulation: Purified immunoglobulin in phosphate buffered saline, pH 7.2, with 1% bovine serum albumin.

Preservative: 0.1% sodium azide. **Precaution:** Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.

Recommended Positive Control: Human A-431 cells, mouse 3T3-L1 cells, and rat L6 cells.

Reactivity: Human, mouse, and rat. Other species were not tested.

Applications: This antibody is suitable for use in Western blotting and ELISA.

Application Notes: For Western blotting, the recommended concentration is 0.5-1.0 µg/mL. The optimal antibody concentration should be determined for each specific application.

Storage & Stability: Store at 2-8ºC. For long term storage, aliquot into small volumes and store at -20ºC. Avoid repeated freeze-thaw cycles to prevent denaturing the antibody.

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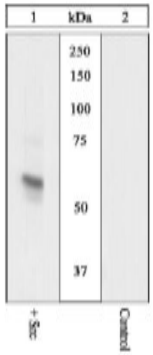
Western Blot

Extracts prepared from CEF cells transfected with Src (1) or left untransfected (2) were resolved by SDS-PAGE on a 10% polyacrylamide gel and transferred to PVDF. Membranes were blocked with a 5% BSA-TBST buffer for two hours at room temperature and incubated with a 1:1000 dilution of Src pan antibody for two hours at room temperature in a 1% BSA-TBST buffer. After washing, membranes were incubated with goat $F(ab')_2$ anti-rabbit IgG HRP conjugate and bands were detected using the Pierce SuperSignal™ method.



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