

## Product datasheet for **TA396797**

### MAP2K1 Mouse Monoclonal Antibody [Clone ID: 17C9.E1.H2.D7.H7.D5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	17C9.E1.H2.D7.H7.D5
Applications:	ELISA, WB
Recommended Dilution:	<b>WB:</b> User Optimized <b>ELISA:</b> 1:40,000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1, lambda
Clonality:	Monoclonal
Immunogen:	Anti-MEK1 pS222/MEK2 pS226 Monoclonal Antibody was produced in mice by repeated immunizations with synthetic peptide corresponding to amino acid residues surrounding the S222-226 phosphorylation site conjugated to KLH.
Specificity:	This protein A purified mouse monoclonal antibody specifically binds to the human MEK1 pS222 and MEK2 pS226 phosphorylated sites. Anti-MEK1 pS222/MEK2 pS226 is purified from tissue culture supernatant by protein A purification. Cross reactivity is expected to occur with human, mouse, and rat based on sequence identity of the peptide immunogen.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	1.0 mg/mL - lot specific
Conjugation:	Unconjugated
Storage:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Stability:	Expiration date is one (1) year from date of receipt.
Database Link:	<a href="#">Q02750</a>



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- Background:** MEK1 pS222/MEK2 pS226 antibody detects MEK1 and MEK2. Mitogen-activated protein kinase kinase 1, (also known as MKK or MEK1), and Mitogen-activated protein kinase kinase 2, (also known as MEK2 or MKK2), are integral components of the MAP kinase cascade that regulates cell growth and differentiation. This pathway also plays a key role in synaptic plasticity in the brain. Activated MEK 1 and 2 acts as a dual specificity kinase phosphorylating both a threonine and a tyrosine residue on MAP kinase. The MEK1 antibody is ideal for investigators involved in Neuroscience, Cell Signaling and Cancer Research.
- Synonyms:** mouse anti-MEK1 pS222/MEK2 pS226 Antibody, MAP2K, MEK, MEK1, MKK1, PRKMK1, MEK-1 Antibody, MAP2K2, MEK2, MKK2, PRKMK2, CFC4, MEK-2 Antibody, MEK1 and MEK2 antibody, phosphor MEK1/2
- Note:** Anti-MEK1 pS222/MEK2 pS226 (MOUSE) antibody has been tested in ELISA and Western Blot. Specific conditions of reactivity should be optimized by the end user. Expect a band of approximately 43.5 kDa.