

Datasheet: HCA067

Description:	HUMAN ANTI HUMAN MEK 1
Specificity:	MEK 1
Other names:	MITOGEN ACTIVATED PROTEIN KINASE 1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AbD05812
Isotype:	HuCAL Fab bivalent
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting	▪			1/100 - 1/250

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	A bivalent human recombinant Fab (kappa light chain) selected from the HuCAL® GOLD phage display library, expressed in <i>E. coli</i> . This Fab fragment is dimerized via a helix-turn-helix motif. The antibody is tagged with a myc-tag (EQKLISEEDL) and a his-tag (HHHHHH) at the C-terminus of the antibody heavy chain. This antibody is supplied liquid.
Preparation	Metal chelate affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative	0.01% Thiomersal

Stabilisers

Approx. Protein Concentrations IgG concentration 0.5 mg/ml

Immunogen Full length recombinant human MEK 1 expressed in Sf9 cells.

External Database Links

UniProt:

[Q02750](#)

[Related reagents](#)

Entrez Gene:

[5604](#)

MAP2K1

[Related reagents](#)

Synonyms MEK1, PRKMK1

RRID AB_2142951

Specificity **Human anti Human MEK 1 antibody, clone AbD05812** recognizes human dual specificity mitogen-activated protein kinase kinase 1, also known, MEK 1 or MAPKK1. MEK 1 is a 393 amino acid ~43 kDa dual specificity protein kinase which has the ability to phosphorylate both threonine and tyrosine residues. MEK1 acts downstream of Ras and Raf and is responsible for the phosphorylation of extracellular signal-regulated kinase (ERK) mitogen-activated protein kinase (MAPK). It is an integral component of the MAP kinase signaling cascade that regulates cell growth and differentiation, and may also play a role in brain synaptic plasticity.

Western Blotting HCA067 detects a band of approximately 43 kDa in HCT-116 cell lysates

Storage Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 12 months from date of despatch

Acknowledgements Sold under license of U.S. Patents 6753136, 7785859 and 8273688 and corresponding patents. This antibody was developed by Bio-Rad, Zeppelinstr. 4, 82178 Puchheim, Germany.
His-tag is a registered trademark of EMD Biosciences.

Health And Safety Information Material Safety Datasheet documentation #10094 available at:
10094: <https://www.bio-rad-antibodies.com/uploads/MSDS/10094.pdf>

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Regulatory For research purposes only

Technical Advice Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the [HuCAL Antibodies Technical Manual](#)

Related Products

Recommended Secondary Antibodies

Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA5995...) [HRP](#)
Mouse Anti Synthetic Peptide STREP-TAG CLASSIC (MCA2489...) [HRP](#)
Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA1396...) [Alk. Phos.](#), [Biotin](#)
Mouse Anti Human C-MYC (MCA2200...) [Alk. Phos.](#), [Biotin](#)

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