

Datasheet: MCA4808Z

Description:	MOUSE ANTI HUMAN ERK1:Preservative Free
Specificity:	ERK1
Other names:	MAPK3
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	3D6
Isotype:	IgG2a
Quantity:	0.1 mg

Product Details

RRID AB_2250301

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
Western Blotting	■			0.1 - 10 ug/ml

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

Species Cross Reactivity Reacts with: Mouse, Rat
N.B. Antibody reactivity and working conditions may vary between species.

Product Form Purified IgG - liquid

Preparation Purified IgG prepared by affinity chromatography on Protein A

Buffer Solution Phosphate buffered saline

Preservative Stabilisers None present

Approx. Protein Concentrations Ig concentration 0.5 mg/ml

Immunogen Recombinant protein corresponding to aa 279 - 379 of human ERK1 with a GST tag.

External Database Links **UniProt:**

[P27361](#) [Related reagents](#)

Entrez Gene:

[5595](#) MAPK3 [Related reagents](#)

Synonyms ERK1, PRKM3

Fusion Partners Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.

Specificity **Mouse anti Human ERK1 antibody, clone 3D6** recognizes Mitogen-activated protein kinase 3, also known as ERK1, Extracellular signal-regulated kinase 1 or p44-ERK1. ERK1 is a 379 amino acid ~44 kDa protein kinase. Three isoforms are generated by alternative splicing, clone 3D6 recognizes isoform 1, however it is not known whether the antibody also recognizes the other isoforms ([UniProt: P27361](#)).

Mouse anti Human ERK1 antibody, clone 3D6 has been successfully used as a detection reagent in the development of a sensitive Sandwich ELISA with Mouse anti Human ERK1 antibody, clone 3C9 as a capture reagent, with purified human ERK1 as antigen for the generation of the standard curve, for the detection of ERK1 in human samples.

Storage Store at -20°C only.
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 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10162 available at:
10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Rabbit Anti Mouse IgG (STAR8...) [DyLight®800](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Human Anti Mouse IgG2a (HCA037...) [FITC](#), [HRP](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®680](#),
[DyLight®800](#), [FITC](#), [HRP](#)

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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