

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

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.
Shelf Life	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 (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Human Anti Mouse IgG2a (HCA037...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP

Recommended Negative Controls

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

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