

Datasheet: MCA4808Z

BATCH NUMBER 260515

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. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
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	<p>UniProt: P27361 Related reagents</p> <p>Entrez Gene: 5595 MAPK3 Related reagents</p>
Synonyms	ERK1, PRKM3
RRID	AB_2250301
Fusion Partners	Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.
Specificity	<p>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).</p> <p>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.</p>
Storage	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10162 available at: https://www.bio-rad-antibodies.com/SDS/MCA4808Z 10162</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
 Goat Anti Mouse IgG (STAR76...) [RPE](#)
 Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
 Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
 Goat Anti Mouse IgG (STAR70...) [FITC](#)
 Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)
 Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
 'M368046:200529'

Printed on 12 Aug 2023

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