

Datasheet: MCA2798

Description:	MOUSE ANTI ANTHRAX LETHAL FACTOR
Specificity:	ANTHRAX LETHAL FACTOR
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	LFA58
Isotype:	IgG1
Quantity:	0.2 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	▪			
Immunofluorescence			▪	
Functional Assays			▪	

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	Bacterial
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)

Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Highly purified <i>Bacillus anthracis</i> lethal factor.
External Database Links	<p>UniProt: P15917 Related reagents</p> <p>Entrez Gene: 3361711 pxo1_107 Related reagents</p>
RRID	AB_1100458
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the Sp2/0 myeloma cell line.
Specificity	<p>Mouse anti Anthrax Lethal Factor antibody, clone LFA58 recognizes the Lethal Factor of the anthrax toxin. <i>Bacillus anthracis</i> produces a toxin composed of three proteins, the Protective Antigen (PA), the Edema Factor (EF) and the Lethal Factor (LF). The three proteins depend on each other for their toxic effect. Both EF and LF functions intracellularly but are too large to enter the cell through existing channels. The PA is responsible for transporting the EF and LF into cells. The LF acts as an endoprotease, removing the N-terminus of mitogen-activated protein kinase kinases (MAPKK). The kinases are prevented from binding to their substrates, which leads to altered signalling pathways and ultimately to apoptosis.</p>
References	<p>1. Bromberg-White, JL. and Duesbery, NS. (2008) Biological and Biochemical Characterization of Anthrax Lethal Factor, a Proteolytic Inhibitor of MEK Signaling Pathways. Methods Enzymol.438:355-65.</p>
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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