Datasheet: MCA4045Z

BATCH NUMBER 151130

Description:	MOUSE ANTI HUMAN HIGH MOBILITY GROUP PROTEIN B1:Preservative Free
Specificity:	HIGH MOBILITY GROUP PROTEIN B1
Other names:	HMGB1
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	1E6-E10
Isotype:	IgG1
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 (1)	▪			1.0 - 10 ug/ml
ELISA			▪	
Immunoprecipitation			▪	
Immunofluorescence (2)	▪			5.0 - 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.

(1)**This product requires antigen retrieval using heat treatment prior to staining of paraffin sections.Sodium citrate buffer pH 6.0 is recommended for this purpose.**
(2)**This product requires fixation of cells for 15 minutes.**

4 % paraformaldehyde solution (NaOH in PBS) pH 7.4 is recommended for this purpose.

Target Species	Human
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	IgG concentration 0.5 mg/ml
Immunogen	Recombinant protein with a GST tag corresponding to amino acids 1 - 216 of human HMGB1.
External Database Links	**UniProt:** P09429 Related reagents **Entrez Gene:** 3146 HMGB1 Related reagents
Synonyms	HMG1
RRID	AB_2233023
Fusion Partners	Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.
Specificity	**Mouse anti Human High Mobility Group Protein B1 antibody, clone 1E6-E10** recognizes human high mobility group protein B1 (HMGB1). HMGB1 belongs to a family of proteins involved in chromatin organisation and DNA structuring. During inflammation HMGB1 is actively secreted by macrophages and functions as a cytokine.
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	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: https://www.bio-rad-antibodies.com/SDS/MCA4045Z 10162
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)   RPE

Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
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
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC, HRP

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M367659:200529'

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