

Datasheet: MCA4791Z

BATCH NUMBER 164875

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:	1D5
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
Immunohistology - Paraffin	▪			0.1 - 10 ug/ml
Western Blotting	▪			0.1 - 10 ug/ml
Immunofluorescence	▪			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
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	Ig concentration 0.5 mg/ml

Immunogen Recombinant protein corresponding to aa 1-216 of human HIGH MOBILITY GROUP PROTEIN B1

External Database Links

UniProt:

[P09429](#) [Related reagents](#)

Entrez Gene:

[3146](#) HMGB1 [Related reagents](#)

Synonyms HMG1

RRID AB_2117907

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 1D5** recognizes human high mobility group protein B1, also known as HMGB1 or HMG-1. Human high mobility group protein B1 is a 214 amino acid ~27 kDa multifunctional redox sensitive protein acting as a DNA chaperone, immune response promotor and in the cytoplasm acts as a sensor for immunogenic nucleic acids.

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/MCA4791Z>
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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 (STAR70...) [FITC](#)
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
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 (STAR13...) [HRP](#)

Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

Recommended Negative Controls

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

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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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