

Datasheet: 4939-8520P

Description:	MOUSE ANTI HEPATITIS B CORE ANTIGEN:HRP
Specificity:	HEPATITIS B CORE ANTIGEN
Other names:	HBcAg
Format:	HRP
Product Type:	Monoclonal Antibody
Clone:	H3A4 (4H5)
Isotype:	IgG2a
Quantity:	0.1 mg

Product Details

RRID AB_1102602

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 - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/5000 - 1/100,000
Western Blotting			▪	

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 the appropriate negative/positive controls.

Target Species Viral

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 0.01% Thiomersal
Stabilisers 50% HRP Stabiliser ([BUF052A](#))

Approx. Protein Concentrations IgG concentration 1.0mg/ml

Immunogen Recombinant Hepatitis B core antigen

Specificity **Mouse anti Hepatitis B Core Antigen antibody, clone H3A4 (4H5)** specifically recognizes

Hepatitis B virus core antigen (HBcAg), the highly immunogenic 21kDa replicative form of the Hepatitis B virus (HBV), expressed by infected cells.

Antibodies to HBcAg are produced by the host during and following an acute HBV infection and can be detected in chronic HBV carriers and patients recovered from HBV infection, usually persisting in the body for life.

ELISA	HRP-conjugated clone H3A4 may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with clone H6F5 as the capture antibody.
Further Reading	1. Cao, T. <i>et al.</i> (2001) Hepatitis B virus core antigen binds and activates naive human B cells in vivo: studies with a human PBL-NOD/SCID mouse model J. Virol. 75: 6359-6366 .
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10131 available at: 10131: https://www.bio-rad-antibodies.com/uploads/MSDS/10131.pdf
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

[MOUSE ANTI HEPATITIS B CORE ANTIGEN \(4939-8530\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052A\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052B\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052C\)](#)

[TMB CORE \(BUF056A\)](#)

[TMB CORE+ \(BUF062A\)](#)

[TMB SIGNAL+ \(BUF054A\)](#)

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