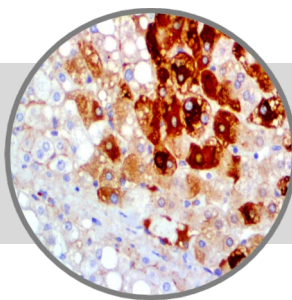


# Hepatitis B Virus Surface Antigen

Clone: A10F1

Mouse Monoclonal



ASR

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*Inset: IHC of HBsAg on a FFPE Infected Liver Tissue*

## Intended Use

Analyte Specific Reagent.

Analytical and performance characteristics for Hepatitis B Virus Surface Antigen, polyclonal antibody, are not established.

## Immunogen

Purified HbsAg, subtype ayw3.

## Summary and Explanation

Hepatitis B virus is spherical in shape with a diameter of 42 nm. It contains a 27 nm partially double-stranded DNA core enclosed within a lipoprotein coat.

<b>Antibody Type</b>	Mouse Monoclonal	<b>Clone</b>	A10F1
<b>Isotype</b>	IgG2b/K	<b>Reactivity</b>	Paraffin, Frozen
<b>Localization</b>	Cytoplasmic	<b>Control</b>	Hepatitis B Infected Liver
<b>Species Reactivity</b>		Human	

## Precautions

1. For professional users only. Results should be interpreted by a qualified medical professional.
2. This product contains <0.1% sodium azide (NaN<sub>3</sub>) as a preservative. Ensure proper handling procedures are used with this reagent.
3. Always wear personal protective equipment such as laboratory coat, goggles and gloves when handling reagents.
4. Dispose of unused solution with copious amount of water.
5. Do not ingest reagent. If reagent is ingested, seek medical advice immediately.
6. Avoid contact with eyes. If contact occurs, flush with large quantities of water.
7. Follow safety precautions of the heating device used for epitope retrieval (TintoRetriever Pressure Cooker or similar).
8. For additional safety information refer to Safety Data Sheet for this product.
9. For complete recommendations for handling biological specimens, please refer to the CDC document, "Guidelines for Safe Work Practices in Human and Animal Medical Diagnostic Laboratories" (see References in this document).

## Presentation

HBsAg is a mouse monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH 7.5, containing BSA and sodium azide as a preservative.

<b>Catalog No.</b>	<b>Antibody Type</b>	<b>Dilution</b>	<b>Volume/Qty</b>
BSB 5617	Tinto Prediluted	Ready-to-Use	3.0 mL
BSB 5618	Tinto Prediluted	Ready-to-Use	7.0 mL
BSB 5619	Tinto Prediluted	Ready-to-Use	15.0 mL
BSB 5620	Concentrated	1:50 - 1:200	0.1 mL
BSB 5621	Concentrated	1:50 - 1:200	0.5 mL
BSB 5622	Concentrated	1:50 - 1:200	1.0 mL

## Control Slides Available

<b>Catalog No.</b>	<b>Quantity</b>
BSB 5623	5 slides

## Storage

Store at 2-8°C

## Stability

**This product is stable up to the expiration date on the product label.** Do not use after expiration date listed on package label. Temperature fluctuations should be avoided. Store appropriately when not in use, and avoid prolonged exposure to room temperature conditions.

## Specimen Preparation

**Paraffin sections:** The antibody can be used on formalin-fixed paraffin-embedded (FFPE) tissue sections. Ensure tissue undergoes appropriate fixation for best results. Pre-treatment of tissues with heat-induced epitope retrieval (HIER) is recommended using Bio SB ImmunoDNA Retriever with Citrate (BSB 0020-BSB 0023), ImmunoDNA Retriever with EDTA (BSB 0030-BSB 0033) or ImmunoDNA Digestor (BSB 0108-0112). See reverse side for complete protocol. Tissue should remain hydrated via use of Bio SB Immuno/DNA Washer solutions (BSB 0029 & BSB 0042).

**Frozen sections and cell preparations:** The antibody can be used for labeling acetone-fixed frozen sections and acetone-fixed cell preparations.

## This Antibody has been quality control tested by immunohistochemistry as follows

### Quality Control Procedure

Step	ImmunoDetector AP/HRP	PolyDetector AP/HRP	PolyDetector Plus HRP
Peroxidase/AP Blocker	5 min.	5 min.	5 min.
Primary Antibody	30-60 min.	30-60 min.	30-60 min.
1st Step Detection	10 min.	30-45 min.	15 min.
2nd Step Detection	10 min.	Not Applicable	15 min.
Substrate-Chromogen	5-10 min.	5-10 min.	5-10 min.
Counterstain / Coverslip	Varies	Varies	Varies

### References

1. Aagaard L, et al. International J of Cancer. 1995;61(1):115-120
2. Bartkova J, et al. Cancer Research. 1995; 55:949-956
3. Bartkova J, et al. Oncogene. 1995;10(4):775-778
4. Bartkova J, et al. J of Pathology. 1994;172(3):237-245
5. Lukas J, et al. Molecular and Cellular Biology. 1995;15(5):2600-2611
6. U.S. Department of Health and Human Services: Centers for Disease Control and Prevention. Guidelines for Safe Work Practices in Human and Animal Medical Diagnostic Laboratories. Supplement / Vol. 61, January 6, 2012.





### Mounting Protocols

For detailed instructions using biodegradable permanent mounting media such as XyGreen PermaMounter (BSB 0169-0174) or organic solvent based resin such as PermaMounter (BSB 0094-0097), refer to PI0174 or PI0097.

### Product Limitations

Due to inherent variability present in immunohistochemical procedures (including fixation time of tissues, dilution factor of antibody, retrieval method utilized and incubation time), optimal performance should be established through the use of positive and negative controls. Results should be interpreted by a qualified medical professional.

### Symbol Key / Légende des symboles/Erläuterung der Symbole

	Storage Temperature Limites de température Zulässiger Temperaturbereich		Manufacturer Fabricant Hersteller	<b>REF</b>	Catalog Number Référence du catalogue Bestellnummer
	Read Instructions for Use Consulter les instructions d'utilisation Gebrauchsanweisung beachten		Expiration Date Utiliser jusque Verwendbar bis	<b>LOT</b>	Lot Number Code du lot Chargenbezeichnung

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