

## Product datasheet

# Anti-Hepatitis B Virus Surface Antigen (Ad/Ay) antibody (Biotin) ab20778

### 製品の概要

製品名	Anti-Hepatitis B Virus Surface Antigen (Ad/Ay) antibody (Biotin)
製品の詳細	Goat polyclonal to Hepatitis B Virus Surface Antigen (Ad/Ay) (Biotin)
由来種	Goat
標識	Biotin
アプリケーション	<b>適用あり:</b> ICC/IF, ELISA
免疫原	Mixture of subtypes ad & ay. Hepatitis B surface antigen purified from human serum
特記事項	Covalently coupled with the N-Hydroxysuccinimide ester of biotin under mild conditions to give a high degree of substitution.

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.1% Sodium Azide Constituents: 10mM PBS, pH 7.2
精製度	IgG fraction
特記事項(精製)	Purified IgG fraction of the antiserum covalently coupled with the N-Hydroxysuccinimide ester of Biotin.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab20778** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
ICC/IF		

ELISA

#### 追加情報

ELISA: 1/1:1000.

IF: Use at an assay dependent dilution. Use Avidin and streptavidin amplifications systems.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

#### ターゲット情報

##### 関連性

Hepatitis B Virus (HBV) infection induces a disease state characterised by liver damage, inflammation and viral persistence. Infection also increases the risk of hepatocellular carcinoma. HBV belongs to the Hepadnaviridae family of viruses. Its genome consists of partially double stranded circular DNA. The DNA is enclosed in a nucleocapsid, or core antigen (HBcAg), which is surrounded by a spherical envelope (surface antigen or HBsAg). The core antigen shares its sequences with the e antigen (HBeAg) but no cross reactivity between the two proteins has been observed. The HBV genome also encodes a DNA polymerase that also acts as a reverse transcriptase. Hepatitis B infection is normally diagnosed from serological tests that detect HBsAg but as the disease progresses this antigen may no longer be present in the blood and tests for HBcAg are used. If HBsAg can be detected in the blood for longer than six months, chronic hepatitis B is diagnosed. The antigenic determinant of the protein moiety of the HBsAg determines specific characteristics of different serotypes and provides the basis of immunodetection. HBsAg has antigenic heterogeneity, specifically, two pairs of sub specific determinants, d/y and w/r allow the following combinations: adw, ayw, adr, ayr.

##### 細胞内局在

Virion membrane

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