

## Product datasheet for **BP1028F**

### Hepatitis B Surface Antigen / HBsAg (ad/ay) Goat Polyclonal Antibody

#### Product data:

|                       |  |
|-----------------------|--|
| Product Type:         | Primary Antibodies   |
| Applications:         | ELISA, Ie, IF  |
| Recommended Dilution: | Suitable for use in ELISA and IEP.   |
| Reactivity:           | Hepatitis B Virus  |
| Host:                 | Goat   |
| Clonality:            | Polyclonal   |
| Immunogen:            | Mixture of subtypes ad & ay. Hepatitis B surface antigen purified from human serum.  |
| Specificity:          | Purified surface antigen.<br>Monospecific, reacts only with Hepatitis B surface antigen including the pre-S1 epitope. Non-reactive with normal human serum.  |
| Formulation:          | 0.01 M PBS, pH 7.2, containing 10 mg/ml BSA as stabilizer and 0.09 % Sodium azide as preservative.<br>Label: FITC<br>State: Liquid purified Ig fraction.<br>Label: Highly purified Isomer I of fluorescein isothiocyanate. Care is taken to ensure complete removal of any free fluorescein from the final product |
| Concentration:        | lot specific   |
| Conjugation:          | FITC   |
| Storage:              | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>This product is photosensitive and should be protected from light.<br>Avoid repeated freezing and thawing.  |
| Stability:            | Shelf life: one year from despatch.  |



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**Background:**

Hepatitis B Virus (HBV) infection induces a disease state which manifests itself in a variety of ways, characterized by the extent of liver damage, inflammation and viral persistence. HBV infection is also associated with a 100 fold increased risk of hepatocellular carcinoma and currently infects over 250 million people worldwide. HBV has a partially double stranded 3.2 kilobase DNA genome which contains four open reading frames. One of these encodes a 154 amino acid protein called the HBx protein. HBx has been shown to be a transcriptional transactivator of both viral and cellular promoters. Lacking a DNA binding domain and nuclear localization signal, HBx is believed to exert transcriptional activity through protein protein interaction.

**Synonyms:**

HBV surface antigen, Hepatitis B Virus