

## Product datasheet for **BP1028**

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

#### Product data:

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	ELISA
<b>Recommended Dilution:</b>	ELISA: 1/1000. Though not tested this antibody is likely suitable for immunohistochemistry, fluorescence microscopy, Western Blot and conjugation.
<b>Reactivity:</b>	Hepatitis B Virus
<b>Host:</b>	Goat
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Hepatitis B Surface Antigen purified from Human serum. Mixture of subtypes ad and ay.
<b>Specificity:</b>	The antibody is monospecific to purified surface antigen HBsAg.
<b>Formulation:</b>	0.01 M PBS, pH 7.2, with 0.09% Sodium Azide as preservative without stabilizing proteins. State: Purified State: Liquid purified Ig fraction (> 95% pure) .
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Sodium Sulfate Precipitation and ion Exchange Chromatography.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Background:</b>	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.
<b>Synonyms:</b>	HBV surface antigen, Hepatitis B Virus



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