

Product datasheet for **AR31201PU-N**

Hepatitis B Surface Antigen / HBsAg (ad) Human Protein

Product data:

Product Type:	Native Proteins
Description:	Hepatitis B Surface Antigen / HBsAg (ad) human protein, 1 mg
Species:	Human
Protein Source:	Blood
Concentration:	lot specific
Purity:	>99% "Ad" subtype purity (ELISA)
Buffer:	Presentation State: Purified State: Liquid purified fraction Buffer System: 50 mM Phosphate, pH 7.4 ± 0.2 containing 150 mM Sodium Chloride Preservative: 0.09% Sodium Azide
Preparation:	Liquid purified fraction
Applications:	ELISA.
Protein Description:	Hepatitis B Surface Antigen (HBsAg), ad subtype. Inactivation: Heat Inactivated at 60°C for 15 hours.
Note:	Caution: All human source materials have tested negative for HIV1, HIV2 and HCV antibodies. No test guarantees a product to be non-infectious. Therefore, all material derived from human fluids or tissues should be considered as potentially infectious.
Storage:	Store the antigen at 2-8°C.
Stability:	Shelf life: six months from despatch.
Synonyms:	HBV surface antigen, Hepatitis B Virus
Summary:	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.



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Protein Families: **ELISA.**