

## Human HBsAg Antibody, mAb, Mouse

### Products information

Cat. No	Clone	Ig Subclass
A01761	1C10E2	IgG1, k
A01762	1G1A10	IgG1, k
A01763	3G9F6	IgG1, k

**Host:** Mouse**Immunogen:** Purified human Hepatitis B Surface Antigen**Purification:** Protein A affinity column**Conjugation:** Unconjugated**Version:** 08/22/2011

### Description

Hepatitis B virus (HBV) is an enveloped, double-stranded DNA virus. Infection with HBV induces a spectrum of clinical manifestations ranging from mild, inapparent disease to fulminant hepatitis, severe chronic liver diseases. Hepatitis B surface antigen or HBsAg is the most important protein of the envelope of Hepatitis B Virus. The surface antigen contains the determinant "a", common to all known viral subtypes and immunologically distinguished in two distinct subgroups (ay and ad). The serological detection of HBsAg is a powerful method for the diagnosis and prevention of HBV infection and ELISA has become an extensively used analytical system for screening of blood donors and clinical diagnosis of HBV in infected individuals.

**GenScript Human HBsAg Antibody, mAb, Mouse** is produced from the hybridoma resulting from fusion of SP2/O-Ag14 myeloma and B-lymphocytes obtained from mouse immunized with purified human Hepatitis B Surface Antigen.

### Species Reactivity

Human HBsAg monoclonal antibodies (1C10E2, 1G1A10 and 3G9F6) recognize Hepatitis B Surface Antigen.

### Storage Buffer

PBS, pH 7.4, containing 0.02% sodium azide.

### Storage

**GenScript Human HBsAg Antibody, mAb, Mouse** should be stored at -20°C or below until use.

Avoid repeated freezing and thawing cycles.

### Applications

These antibodies are perfect choice for *in vitro* diagnostic assay development. And they are prepared for non-clinical research use only. The recommended pairs are based on our laboratory results.

### Example

HBsAg monoclonal antibodies by Indirect ELISA:

#### General procedures:

1. Microplate was incubated with HBsAg, followed by 3 washing cycles.
2. Incubation with mouse anti-HBsAg followed by 3 washing cycles.
3. Incubation with goat anti-mouse IgG conjugated to peroxidase, followed by 3 washing cycles.
4. Colorimetric determination of bound peroxidase activity.

\*\* For non-clinical research use only. \*\*

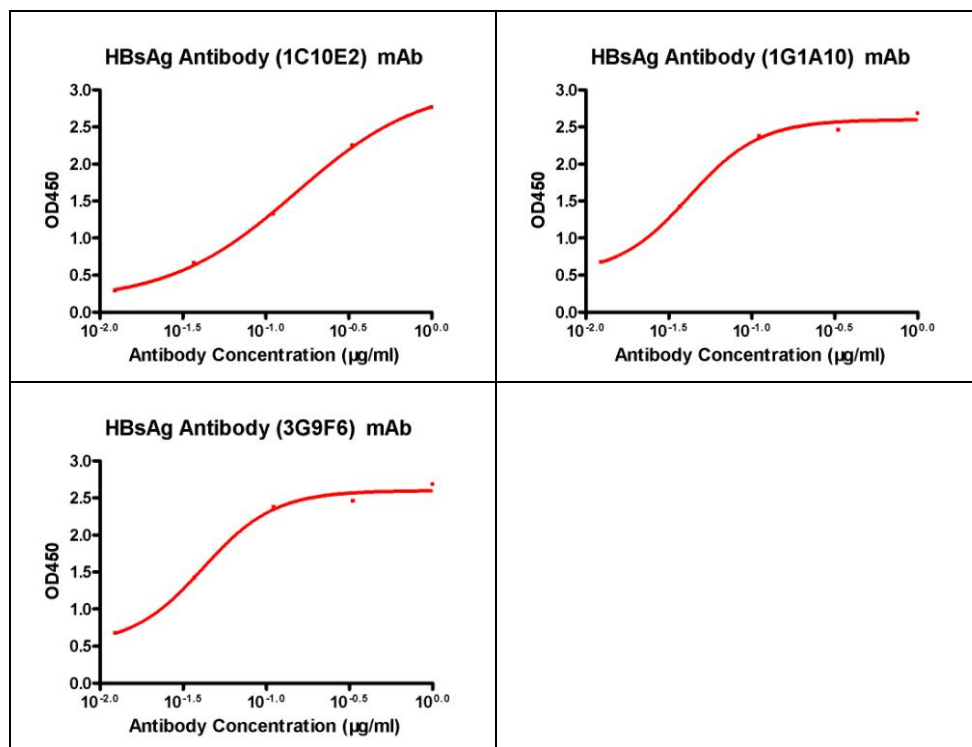
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