



# DataSheet

**CATALOGUE #:** 3HB12

**PRODUCT NAME:** Monoclonal mouse anti-hepatitis B virus surface antigen (HBsAg)

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**MAbs:** HB5, HB6, HB11, HB12, HB13, Hs33, Hs41  
Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with recombinant HBsAg of ayw subtype.

**Specificity:** HBsAg  
MAbs are reacting with the following HBsAg subtypes: ayw1, ayw2, ayw3, ayw4, ayr, adw2, adw4, adrq+, adrq-, ayw3 (Fer).

**MAb isotypes:** **IgG1** for MAbs HB11, HB13, HB12, HB6, HB5 and Hs41  
**IgG2a** for MAbs Hs33

**Applications:** Detection of HBsAg in two-site enzyme immunoassay.  
Recommended pairs for sandwich immunoassay:  
HB12 - HB11, HB5 - HB6, HB13 - HB6, HB12 - HB6, Hs33 - Hs41  
**Best pair: Hs33 – Hs41, sensitivity 50 pg/ml**

**Purification:** Chromatography on protein G Sepharose.

**Presentation:** PBS, pH 7.4, 0.09 % sodium azide (NaN<sub>3</sub>)

**Storage:** +4 °C (+2 ... +8 °C allowed)

**Material safety note:** This product is sold **for research use only**. Standard Laboratory Practices should be followed when handling this material.  
Product contains sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.

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