

Anti-Hepatitis B Surface Antigen (HBsAg) Recombinant Antibody Fragments

Target:	Anti-Hepatitis B Surface Antigen (HBsAg)
Clone name:	HBs2
Catalogue Number:	RAF9787
Description:	Recombinant single-chain variable fragment (scFv) ¹ obtained from Sheep and expressed in an E. Coli to bind against Hepatitis B Surface Antigen (HBsAg).
Activity/ Specificity:	Tested positive against HBsAg antigen. Cross-reactivity checked against a panel of known cross-reactants and non-specific antigens.
Applications:	These fragments contain His and c-Myc fusion tags which may be used for detection or immobilisation. ² Recombinant antibody fragments are suitable for use in ELISA immunoassays, biosensor applications, western blots, immunohistochemistry, flow cytometry, immunoaffinity purification and most other immunological methods*.
Size:	Approximately 35 kDa
Quantity:	1 mg
Concentration:	Typically >1mg/ml
Purity:	>90% assessed by SDS-PAGE.
Storage:	These fragments are stable at 4°C. It is recommended that for storage over extended periods they are kept at -20°C and should not be subject to repeated freeze-thaw cycles.
Buffer:	1x PBS containing 0.09% sodium azide preservative.
Dilution Factor:	To be determined by end-user.

* This product as supplied is intended for research applications only. It is not for use in therapeutic or diagnostic applications without the expressed written authorization of Randox Life Sciences.

References:

1. Weisser NE, Hall JC. (2009) Applications of single-chain variable fragment antibodies in therapeutics and diagnostics. *Biotechnol Adv.* 27(4): 502-520.
2. Terpe, K. (2003) Overview of tag protein fusions: from molecular and biochemical fundamentals to commercial systems. *Applied Microbiol Biotechnol.* 60(5):523-33.