

## Hepatitis B Virus Receptor Binding Fragment

Cat. No.:	HY-P4042
CAS No.:	114495-85-1
Molecular Formula:	C <sub>140</sub> H <sub>185</sub> N <sub>35</sub> O <sub>42</sub>
Molecular Weight:	3030.18
Sequence Shortening:	PLGFFPDHQLDPAFGANSNNPDWDFNP
Target:	HBV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

Hepatitis B Virus Receptor Binding Fragment (hepatitis B peptide 4980) is a synthetic peptide analog which specifically binds to Hep G2 cells. Hepatitis B Virus Receptor Binding Fragment is a promising immunogen expected to elicit protective antibodies based on the concept of the attachment blockade pathway of virus neutralization<sup>[1][2]</sup>.

### REFERENCES

- [1]. Neurath AR, et al. Identification and chemical synthesis of a host cell receptor binding site on hepatitis B virus. *Cell*. 1986 Aug 1;46(3):429-36.
- [2]. López R, et al. Plasmodium falciparum: binding studies of peptide derived from the sporozoite surface protein 2 to Hep G2 cells. *J Pept Res*. 2001 Oct;58(4):285-92.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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