

## I-3011: Neomycin-BSA Conjugate

<b>Product Name:</b>	Neomycin-BSA Conjugate
<b>Catalogue No:</b>	I-3011
<b>Conjugation method:</b>	EDC
<b>Linker:</b>	None
<b>Number of Neomycin per BSA:</b>	Not determined
<b>Concentration:</b>	2.0 mg/ml BSA (in 20 mM PBS, pH 7.4)
<b>Storage:</b>	Keep below -20°C for up to 1 year. Avoid repeated freeze-and-thaw. For short term storage (< 3 weeks) keep at 4°C.
<b>Applications:</b>	Used as capture antigen for the detection of anti-neomycin antibodies and as immunogen for the generation of neomycin antibodies.

### **Brief description:**

The neomycin trisulfate salt hydrate and BSA (bovine serum albumin) (10 mg each) are conjugated by EDC method in 0.1 M MES pH 5.0. One or more of the six amine groups in the neomycin are directly linked to carboxyl group(s) in the BSA without any linker by EDC conjugation method. Given the molecular weights of neomycin trisulfate salt hydrate (anhydrous basis) and BSA are 908.88 Da and 66.4 kDa, respectively, the molar ratio of neomycin:BSA in the conjugation solution is 73:1. The resultant conjugation solution is then buffer-exchanged with 20 mM PBS, pH 7.4. The number of neomycin that is actually conjugated to each BSA molecule is not determined.

The neomycin-BSA conjugate has been shown to be recognized by neomycin-specific antibodies by ELISA and lateral flow based immunoassay, respectively.

PLEASE note that this product is intended for research use only; not for diagnostic or clinical use.

(Produced by Imgen BioSciences, Inc., July, 2010)