

## I-3031: Apramycin-BSA Conjugate

<b>Product Name:</b>	Apramycin-BSA Conjugate
<b>Catalogue No:</b>	I-3031
<b>Conjugation method:</b>	EDC
<b>Linker:</b>	None
<b>Number of Apramycin 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-apramycin antibodies and as immunogen for the generation of apramycin antibodies.

### **Brief description:**

The apramycin sulfate 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 four amine groups in the apramycin are directly linked to carboxyl group(s) in the BSA without any linker by EDC conjugation method. Given the molecular weights of apramycin sulfate and BSA are 637.66 Da and 66.4 kDa, respectively, the molar ratio of apramycin:BSA in the conjugation solution is 104:1. The resultant conjugation solution is then buffer-exchanged with 20 mM PBS, pH 7.4. The number of apramycin that is actually conjugated to each BSA molecule is not determined.

The apramycin-BSA conjugate has been shown to be recognized by apramycin-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., November, 2010)