

## I-3013: Streptomycin-BSA Conjugate

<b>Product Name:</b>	Streptomycin-BSA Conjugate
<b>Catalogue No:</b>	I-3013
<b>Conjugation method:</b>	EDC
<b>Linker:</b>	None
<b>Number of Streptomycin 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-streptomycin antibodies and as immunogen for the generation of streptomycin antibodies.

### Brief description:

The streptomycin sulfate salt and BSA (bovine serum albumin) (10 mg each) are conjugated by EDC method in 0.1 M MES pH 5.0. One or both of the two amine groups in the streptomycin are directly linked to carboxyl group(s) in the BSA without any linker by EDC conjugation method. Given the molecular weights of streptomycin sulfate salt and BSA are 728.69 Da and 66.4 kDa, respectively, the molar ratio of streptomycin:BSA in the conjugation solution is 91:1. The resultant conjugation solution is then buffer-exchanged with 20 mM PBS, pH 7.4. The number of streptomycin that is actually conjugated to each BSA molecule is not determined.

The streptomycin-BSA conjugate has been shown to be recognized by streptomycin-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)