

## I-3052: Furosine-BSA Conjugate

<b>Product Name:</b>	Furosine-BSA Conjugate
<b>Catalogue No:</b>	I-3052
<b>Conjugation Method:</b>	EDC
<b>Linker:</b>	None
<b>Number of Furosine 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-furosine antibodies and as immunogen for the generation of furosine antibodies.

### Brief Description:

The Furosine.HCl salt and BSA (bovine serum albumin) (10 mg each) are conjugated by EDC method in 0.1 M MES pH 5.0. The only one amine group in the furosine is directly linked to carboxyl group(s) in the BSA without any linker by EDC conjugation method. Given the molecular weights of furosine and BSA are 327.21 Da and 66.4 kDa, respectively, the molar ratio of Furosine:BSA in the conjugation solution is 203:1. The resultant conjugation solution is then buffer-exchanged with 20 mM PBS, pH 7.4. The number of furosine that is actually conjugated to each BSA molecule is not determined.

The furosine-BSA conjugate can be recognized by furosine-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., August, 201