

## I-3040: Clenbuterol-BSA Conjugate

<b>Product Name:</b>	Clenbuterol-BSA Conjugate
<b>Catalogue No:</b>	I-3040
<b>Conjugation Method:</b>	EDC
<b>Linker:</b>	None
<b>Number of Clenbuterol 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-clenbuterol antibodies and as immunogen for the generation of clenbuterol antibodies.

### Brief Description:

The clenbuterol hydrochloride and BSA (bovine serum albumin) (10 mg each) are conjugated by EDC method in 0.1 M MES pH 5.0. The amine group in the clenbuterol is directly linked to a carboxyl group in the KLH without any linker by EDC conjugation method. Given the molecular weights of clenbuterol hydrochloride and BSA are 313.65 Da and 66.4 kDa, respectively, and the molar ratio of clenbuterol:BSA in the conjugation solution is 212:1. The resultant conjugation solution is then buffer-exchanged with 20 mM PBS, pH 7.4. The number of clenbuterol that is actually conjugated to each BSA molecule is not determined.

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

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

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