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## CERTIFICATE OF ANALYSIS

**Product:** BSA-HCY. Bovine serum albumin (BSA) was conjugated to homocysteine (Hcy)

**Catalog Number:** ACT00501-100

**Lot Number:** Lot# 452230

**Quality Release Date:** February 28, 2015

To evaluate whether homocysteine has been conjugated to BSA, ELISA strips or plate were coated with BAS-HCY at 0.5µg/ml. A series of dilutions of homocysteine (from Sigma-Aldrich) were added to the strips. Rabbit anti-homocysteine polyclonal antibody or anti-serum was added at various dilutions. After washing, secondary antibody HRP-goat-anti-rabbit was added and incubated properly. The OD450 values were read after TMB substrate was used to develop the color generated from HRP bond to the plate due to BSA-HCY.

The results indicated that the small metabolite homocysteine has been conjugated to the carrier BSA as the OD450 values showed obvious dose-dependent effect. Best dilution of BSA-HCY should be tested and determined individually based on each particular environment.



Jimmy Li  
Quality Control Team

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