CREATIVE BIOMART®
Assay Kit

BSA Conjugation Kit

Product Information

Cat.No. Kit-2085

Product Overview

The BSA Conjugation kit is one-step conjugation of a hapten to a carrier protein using the carboxylreactive carbodiimide as the crosslinker. The resulting conjugate is used for eliciting an immune response and antibody production against the hapten. The carboxyl-reactive carbodiimide reacts with exposed carboxyl and amino groups on peptides and proteins to form stable bonds. These kits contain BSA formulated in buffers compatible with the carboxylreactive carbodiimide reactions and desalt spin columns, which offer exceptional protein recovery by simple centrifugation step.

Size

1 kit

Description

Bovine serum albumin (BSA) is a serum albumin protein that has numerous biochemical applications including ELISAs (Enzyme-Linked Immunosorbent Assay), immunoblots, and immunohistochemistry. Like most abundant plasma proteins, it is very stable and soluble in aqueous media. In addition, the 67 kDa protein is sufficiently large and complex to be fully immunogenic. It contains numerous sites per molecule for effective conjugation of peptides and other antigens using amine-reactive or carboxyl-reactive crosslinkers. Consequently, BSA is a popular carrier protein for conjugation to haptens and other weak antigens to make them more immunogenic for antibody production. This BSA Conjugation kit is primarily optimized for the simple preparation of hapten-carrier conjugates for immunization and antibody production.

Kit Components

A. BSA (bovine serum albumin): 2 X 2mg; Store at 4 °CB. Conjugation Buffer (pH 4.7): 20 mL; Store at 4 °CC. EDC (1-ethy 1-3-[dimethylaminopropyl] carbodiimide hydrochloride): 2 X 10 mg; Store at 4 °CD. Purification Buffer Salts (pH 7.2): 2 x 10 mL; Store at< -20°CE. Spin Desalting Columns (7K MWCO): 2 X 2 mL; Store at 4 °C. Do not freeze

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