KLH Conjugation Kit

Cat. No. Kit-2086 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The KLH 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 mcKLH formulated in buffers compatible with the carboxylreactive carbodiimide reactions and desalt spin columns, which offer exceptional protein recovery by simple centrifugation step. You must make sure you hapten molecule has a free carboxyl reactive group(such as amine group) to use this kit.
Size	1 kit
Description	Keyhole Limpet Hemocyanin (KLH) is one of the most commonly used carriers in the conjugation of peptides for antibody production. Mariculture keyhole limpet hemocyanin (mcKLH) is a hemocyanin from the Concholepas concholepas mollusk with immunogenic properties similar to KLH but is more stable and efficient as a carrier protein for the production of antibodies to haptens and peptides. It contains numerous sites per molecule for effective conjugation of peptides and other antigens using amine-reactive or carboxyl-reactive crosslinkers. mcKLH is currently the industry standard for antibody production against a hapten or peptide. This KLH Conjugation kit is primarily optimized for the simple preparation of hapten-carrier conjugates for immunization and antibody production.
Kit Components	A. mcKLH: 2 × 2mg; Store at 4 °CB. Conjugation Buffer (pH 4.7): 20 mL; Store at 4

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	°CC. EDC (1-ethy 1-3-[dimethylaminopropyl] carbodiimide hydrochloride): 2 × 10 mg; Store at 4 °CD. Purification Buffer Salts (pH 7.2): 2 bottles (10 mL/bottle); Store at 4 °CE. Spin Desalting Columns (7K MWCO): 2 × 2 mL; Store at 4 °C *Do not freeze*

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