

New Product to Facilitate Conjugation

Ready-to-Conjugate™ CRM₁₉₇

Fina Biosolutions Ready-to-Conjugate™ proteins facilitate the synthesis of immunoconjugates by providing a pre-activated carrier protein. Our Ready-to-Conjugate™ carrier proteins include CRM₉₇, tetanus toxin heavy chain fragment C (TTHc) and bovine serum albumin (BSA). The proteins are pre-labeled with maleimide or bromoacetyl groups and are ready to conjugate to thiol-antigens, such as cysteine-peptides and thiol-labeled oligo- and poly- saccharides. In this overview, we show that immunoconjugates can be easily prepared and characterized using Ready-to-Conjugate™ CRM₁₉₇-maleimide and CRM₁₉₇-bromoacetyl. The reaction scheme for maleimide-CRM₁₉₇ and bromoacetyl-CRM₁₉₇ with a thiol antigen is shown in Figures 1. An N-terminal cysteine peptide (MW ~ 1.5kDa) was coupled to each and analyzed by SDS PAGE. Similar levels of peptide loading were found for each conjugate

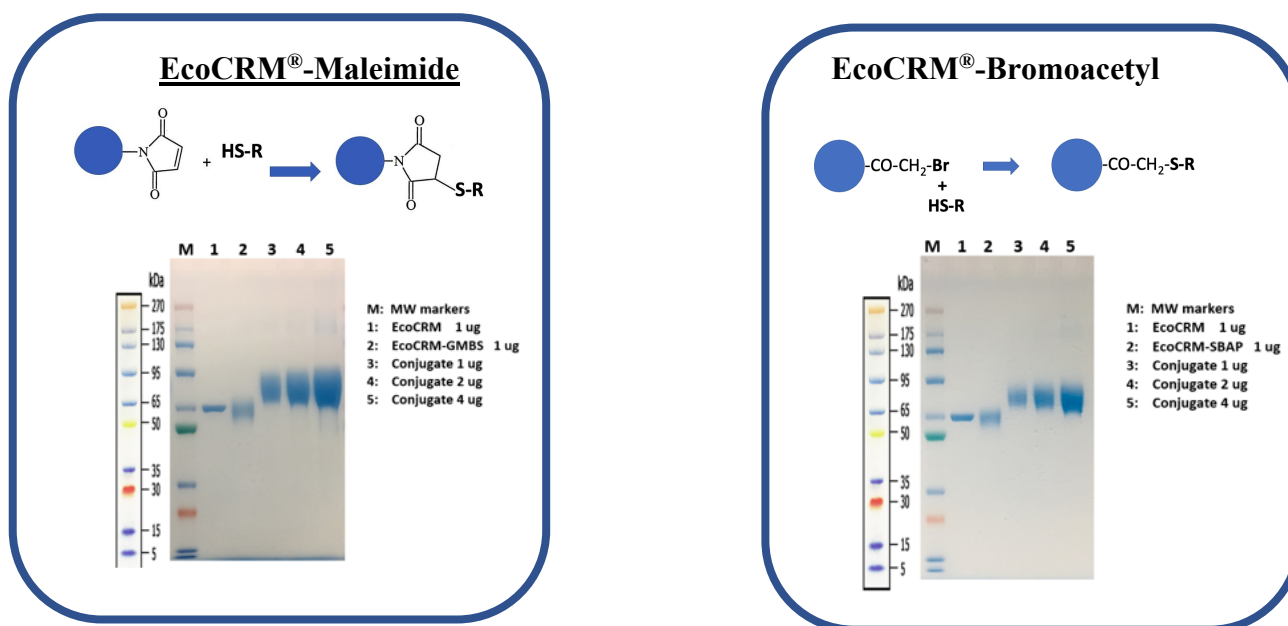


Figure 1. Conjugation of thiol-antigen to Ready-to-Conjugate™ EcoCRM®

FinaBio provides Ready-to-Conjugate™ proteins including CRM₁₉₇, tetanus toxin heavy chain fragment C (TTHc) and bovine serum albumin. These proteins are pre-labeled with maleimide or bromoacetyl groups. Related products include unlabeled CRM₁₉₇ and TTHc as well as mono and polyclonal antibodies to these proteins. Fina Biosolutions also provides conjugation services for peptides, proteins, oligo- and poly- saccharides.

Learn more at FinaBio.com or contact us at Info@Finabio.com