

# Enzyme Conjugation Services

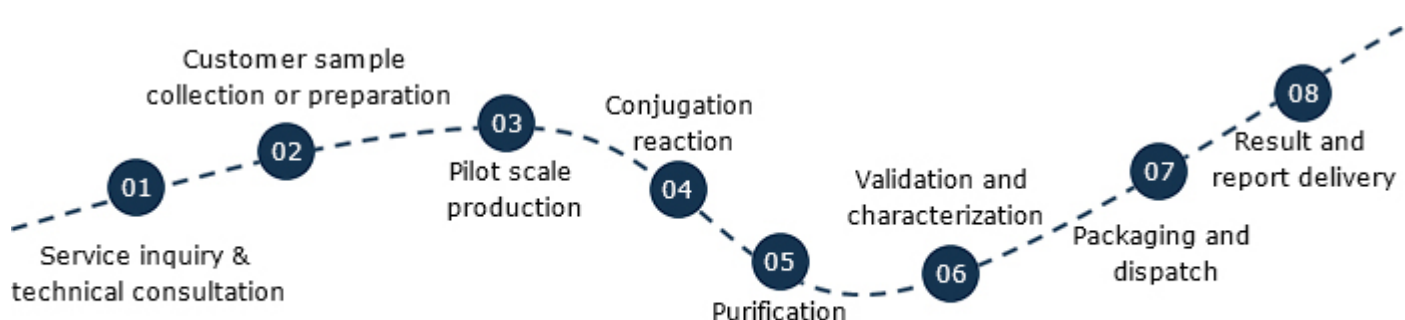
With decades of experience on enzyme conjugation, Creative Enzymes can link enzymes with various functional molecules, such as proteins/peptides, antibodies, polymers including polysaccharide, small molecules, and nucleic acids. Using advanced technologies and instruments, we develop and prepare enzyme conjugates not only by innovative conjugation reactions, but also through improvement in protein expression, isolation and purification, and validation and characterization. We provide conjugation services according to our customers' requirements for various applications, including immunosorbent assays (ELISAs), western blotting, immunostaining, and biosensors.

[Learn More](#)

## Highlighted Platforms

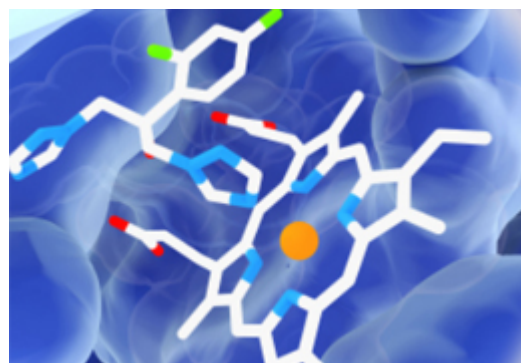
<b>Enzyme conjugation with small molecules</b>	<ul style="list-style-type: none"> <li>• Custom enzyme conjugation with small molecules.</li> <li>• Enzyme conjugates isolation and purification.</li> <li>• Modified enzymes (HRP, AP and others) in purified, activated and kit formats for various immunoassays.</li> <li>• Enzyme conjugates characterization.</li> </ul>
<b>Enzyme conjugation with protein/peptides</b>	<ul style="list-style-type: none"> <li>• Immunoassays development.</li> <li>• Preparation of cross-linked enzyme aggregates (CLEAs).</li> <li>• Identification of structures of protein cross-linking.</li> <li>• Enzyme conjugates characterization.</li> </ul>
<b>Enzyme conjugation with polymers</b>	<ul style="list-style-type: none"> <li>• Preparation of enzyme conjugates with polymers.</li> <li>• Enzyme conjugates isolation and purification.</li> <li>• Quantification of number of PEG molecules bound.</li> <li>• Enzyme conjugates characterization.</li> </ul>
<b>Enzyme conjugation with antibodies</b>	<ul style="list-style-type: none"> <li>• Antibody fragments production.</li> <li>• Antibody-enzyme conjugates preparation.</li> <li>• Fusion protein strategies.</li> <li>• Purification of conjugates.</li> <li>• Conjugates validation by mass spectrometry.</li> </ul>
<b>Enzyme conjugation with nucleic acids</b>	<ul style="list-style-type: none"> <li>• Development of enzyme linked oligonucleotide.</li> <li>• Antibody-enzyme conjugates (AEC) preparation.</li> <li>• Protein expression, purification and the conjugation reaction.</li> <li>• Characterization of target conjugates.</li> </ul>

## Workflow



## Advantages

- Nearly 1:1 ratio of enzyme to interested target
- Optimized sample preparation and conjugation
- High product yield and purity
- Strict validation and characterization
- Scale-up production up to kilograms



For more enzyme-related products and services, please visit our website:

<https://www.creative-enzymes.com>