

Interchim Innovations

Interbiotech - BioScience Innovations

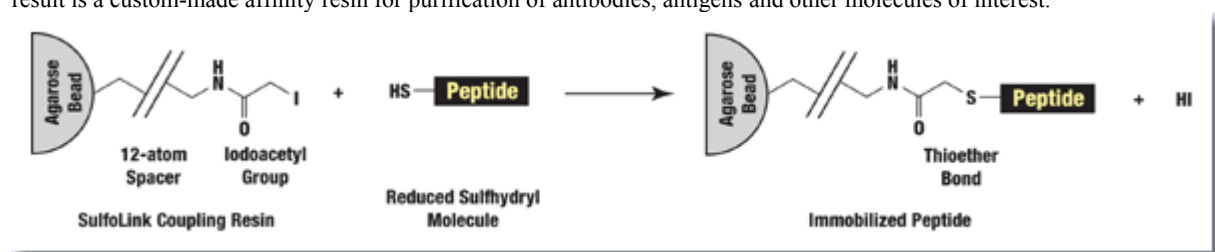
H10E

Sulphydryl immobilization using SulfoLink

Covalent immobilization of sulphydryl-containing peptides or proteins for affinity purification.

SulfoLink product allows to conjugate easily molecules through their sulphydryl to a resin for affinity techniques (purification).

SulfoLink Coupling Resin is porous, crosslinked, 6% beaded agarose that has been activated with iodoacetyl groups. When incubated with a solution of peptide or protein that contains reduced cysteine residues, the iodoacetyl groups react specifically and efficiently with the exposed sulphydryls (-SH) to form covalent and irreversible thioether bonds that permanently attach the peptide or protein to the resin. The result is a custom-made affinity resin for purification of antibodies, antigens and other molecules of interest.



SulfoLink is available as 2 convenient Immobilization Kits for peptides or proteins, containing all the reagents for preparing the sample and five columns containing 2 ml of SulfoLink Resin that can be used in either gravity-flow or centrifuge format for efficient coupling reactions and multiple cycles of affinity purification. A single-column Trial Kit is available for use with either peptides or proteins is also available, or the SulfoLink Coupling Resin.

Benefits :

- **Specific conjugation through sulphydryl (-SH) groups** – The iodoacetyl groups react specifically with sulphydryls to form irreversible thioether bonds
- **Separate kits optimized for peptides or proteins** – Kits include optimized reagents for preparing peptide or protein samples for efficient immobilization
- **Fast – Spin columns increase protocol speed**; prepare and couple samples in 2 hours (peptides) to 3.5 hours (proteins)
- **Flexible coupling conditions** – Use pH 7.5-9.0 aqueous buffers, organic solvent (e.g., 20% DMSO) or denaturant (guanidine•HCl), as needed for protein or peptide solubility during coupling reaction
- **Easy-to-follow instructions** – streamlined protocols for sample preparation, immobilization, and affinity purification
- **High capacity** – Immobilize 1-2 mg peptide or 2-20 mg protein per 2-ml column of SulfoLink Coupling Resin.

Applications :

Immobilization of **peptides synthesized with terminal cysteine residues**, to purify antibodies that were generated against peptide immunogens prepared by maleimide conjugation

Oriented immobilization: couple i.e. antibodies through hinge-region sulphydryls to ensure that antigen binding sites are not sterically hindered for antigen affinity purification

SulfoLink Immobilization Kit for Proteins	834374, 5 rxn
Contains 5x2ml resin, all buffers and reagents for the conjugation, desalt columns	
SulfoLink Immobilization Kit for Peptides	834374, 5 rxn
Contains 5x2ml resin, all buffers and reagents for the conjugation, desalt columns	
SulfoLink Immobilization Trial Kit for Protein & Peptides	834372, 1 rxn
Contains 5x2ml resin, all buffers and reagents for the conjugation, desalt columns	
SulfoLink Coupling Resin	83441, 10ml
	83442, 50ml

Related products lines

Interbiotec - BioSciences innovation – proposes a complete range of products for protein biochemistry.

Products HighLights Overview:

Ask for Reductants: TCEP, Bond-Breaker Solution

Carriers: MaxiBind BSA, KLH, Maleimide Activated KLH onjugation Kit

Other Sulfhydryl conjugation methods: [Hydralink method using MHPH {BL9400}](#) (stable activation step)

Amine conjugation reagent and kits (Ami.R Gel, [IPEX](#), µscale Peptide Coupling Kit, AminoLink Plus Immobilization Kit)

Carboxylic conjugation reagent and kits (CarboLink Immobilization Kit, CarboxyLink Immobilization Kit)

[Desalting tools](#) – Centrifuge Columns, CelluSep tubings, SpectraPor tubings, GebaFlex, FloatALyser, SlideALyser,...

Other crosslinkers (i.e. PhotoReactive, PEO, [Hydralink crosslinking agents](#) (flexible method using stable activation step))

Label Transfer Reagents

[FluoProbes labeling agents](#) (superior fluorescent dyes)

Information inquire

Reply by Fax : +33 (0) 4 70 03 82 60 or email at interbiotech@interchim.com

☐ I wish to recieve the complete documentation about: _____

Name: _____ 2nd name: _____ Position: _____

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