

Interchim Innovations

Interbiotech - BioScience Innovations

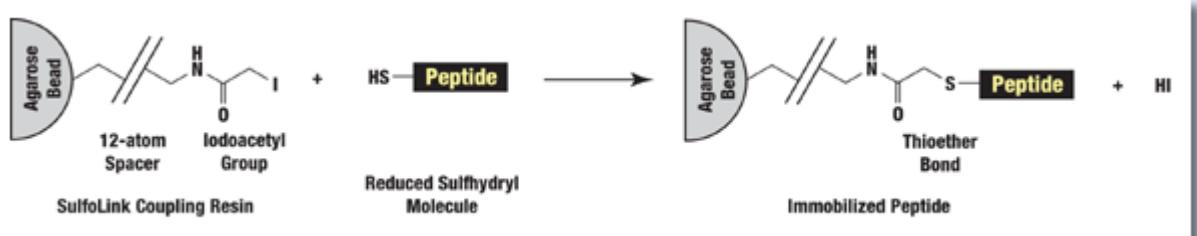
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Sulphydryl immobilization using SulfoLink

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

Contains 5x2ml resin, all buffers and reagents for the conjugation, desalt columns

834374, 5 rxn

SulfoLink Immobilization Kit for Peptides

Contains 5x2ml resin, all buffers and reagents for the conjugation, desalt columns

834374, 5 rxn

SulfoLink Immobilization Trial Kit for Protein & Peptides

Contains 5x2ml resin, all buffers and reagents for the conjugation, desalt columns

834372, 1 rxn

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](#), μ scale 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 receive the complete documentation about: _____

Name: _____ 2nd name: _____ Position: _____

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