**Sulfhydryl immobilization using SulfoLink**

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

SulfoLink product allows to conjugate easily molecules through their sulphydroly 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 sulfhydryls (-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 sulfhydryl (-SH) groups** – The iodoacetyl groups react specifically with sulhydryls 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 synthetized 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 sulfhydryls 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 conjugation Kit
Other Sulfhydryl conjugation methods: Hydralink method using MHPH (BL9400) (stable activation step)
Amine conjugation reagent and kits (AmiR 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

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