

Analysis of Interactions between Carbohydrates and Proteins Using Fluorescent Labeling and SDS-PAGE

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A rapid method for the analysis of carbohydrate-protein interactions by using fluorescent labeling and SDS-PAGE was developed. The *N*-acetyl- β -D-glucosamine-WGA complex and α -D-mannose-Con A complex were labeled with 8-aminonaphthalene-1,3,6-trisulfonate (ANTS). The protein band displaying fluorescence with ultraviolet illumination was seen after SDS-PAGE.

Key words: Carbohydrate-Protein Interactions, Fluorescent Labeling, SDS-PAGE