CREATIVE BIOMART®
Assay Kit

Biotin Labeling Efficiency Assay Kit (HABA Method)

Product Information

Applications

- Quality control of biotinylated antibodies and conjugates for immunoassay, IHC, and flow cytometry applications
- Assessment of biotinylation degree in labeled probes and detection reagents
- Optimization and screening of biotinylation reaction conditions
- Routine QC of biotin-labeled intermediates in diagnostic and research reagent manufacturing

Product Overview

This kit provides a simple and rapid colorimetric method for evaluating biotin labeling efficiency of antibodies, proteins, and other amine-containing biomolecules. The HABA (4'-Hydroxyazobenzene-2-carboxylic acid) displacement assay enables straightforward estimation of the degree of biotinylation without requiring specialized instrumentation.

Features & Benefits

- Simple protocol with minimal hands-on time and no need for complex equipment
- HABA-based colorimetric readout visible with standard spectrophotometers
- Rapid results suitable for screening multiple samples in parallel
- Cost-effective solution for routine biotinylation quality assessment

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