



Certificate of Conformity

LudgerTag™ V-TAG Glycan Labeling Kit

Cat. #: LT-VTAG-24

Batch #: B547-04

Size: 1 set of labeling reagent per kit

This kit conforms to the specifications given in Ludger document # LT-VTAG-24-guide-v2.0

Each kit contains the following components:

Quantity per Kit	Cat #	Batch #	Component Name
1	LC-A-24	B3CB-01	LudgerClean™-A Cartridges
1	LC-TFA-10PC-01	B53Q-07	10% TFA solution
1	LT-PBS-TAB-0.01M	B542-01	PBS tablet (pH 7.2, 0.01M in 1L)
1	LT-VTAG-01	B53J-01	V-Tag-Dye in DMSO

Expiry Date: 19th Mar 2016



Certificate of Analysis

LudgerTag™ V-TAG Glycan Labeling Kit

Cat. #: LT-VTAG-24

Batch #: B547-04

Size: 24 samples

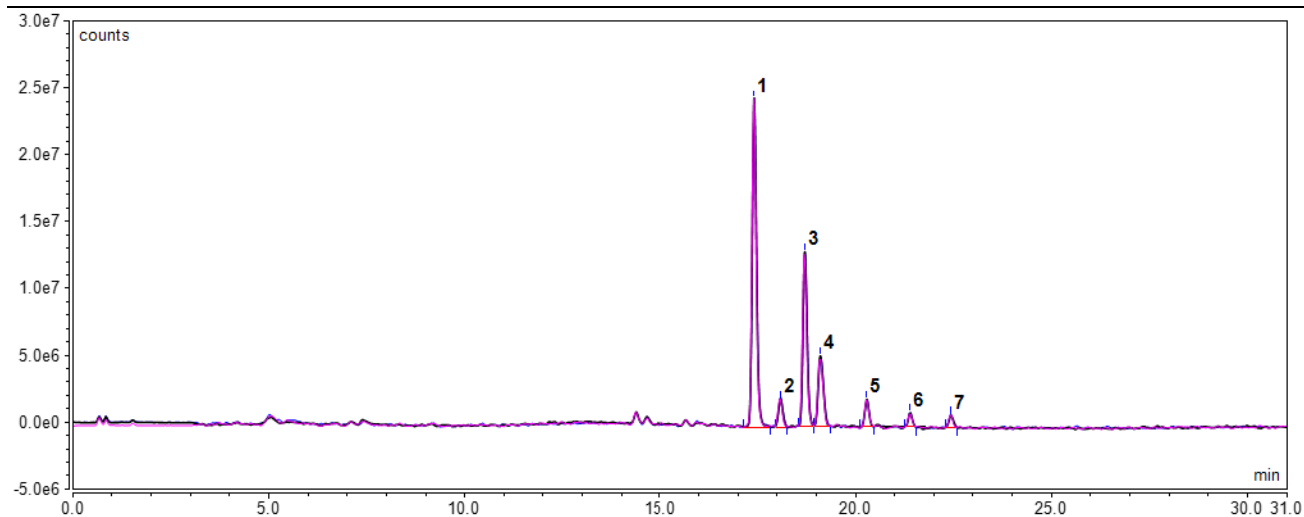


Figure 1: HILIC HPLC profile of three tryptic IgG-1 glycopeptide samples (10ug weight of protein before digest) labeled using LT-VTAG-24 (Batch **B547-04**)

HPLC Running Conditions:

Column: Waters BEH Glycan column (1.7 μ m-2.1x150)

Flow: 0.56 mL/min

Solvent A: 50 mM ammonium formate pH 4.4

Solvent B: 100 % acetonitrile

Temperature: 60 °C.

Gradient: 0 min – 75% B, 24.80 min – 58% B, 25.8 min – 40% B, 25.9 min – 75% B

Detector: Dionex FLD-3000

Excitation wavelength: 250 nm

Emission wavelength: 360 nm

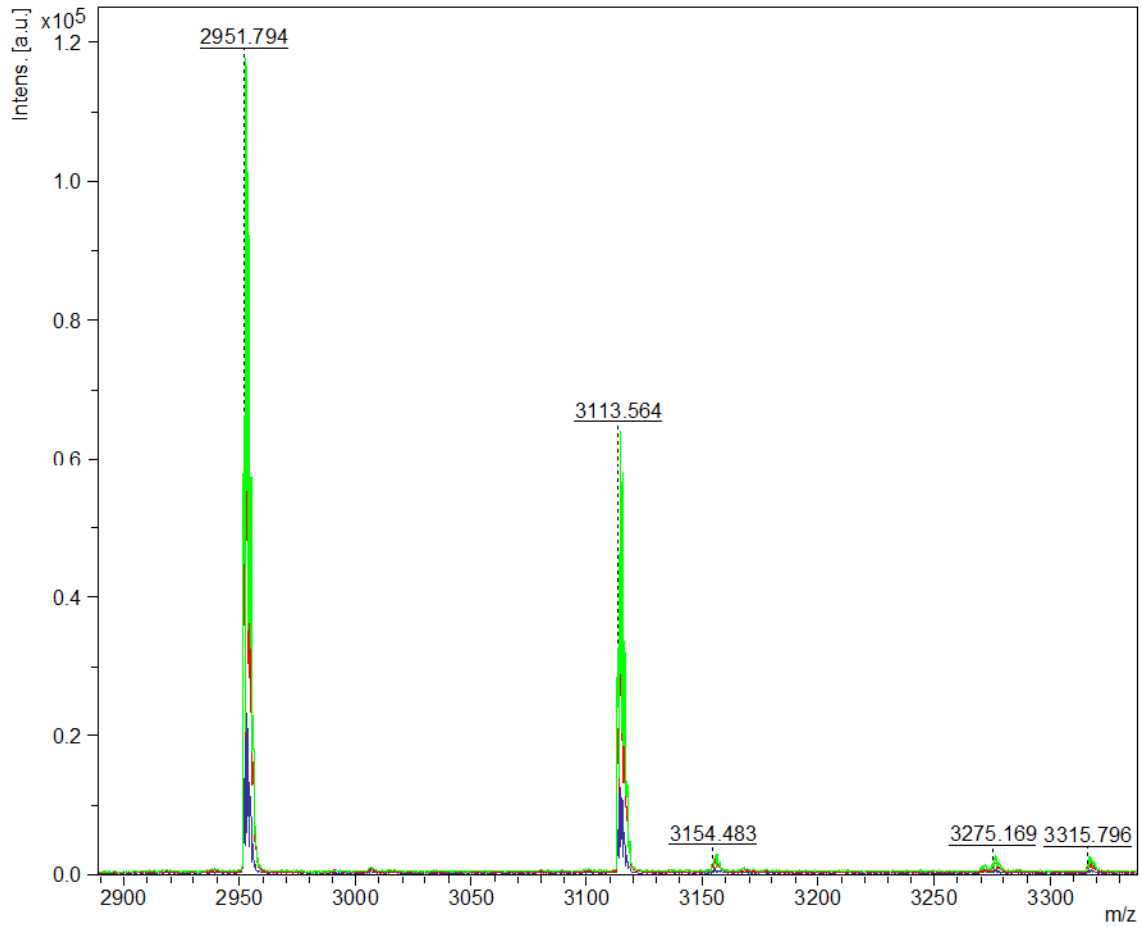


Figure 2. Negative ion mass spectrum of a V tag labeled tryptic IgG-1 glycopeptides using a Bruker MALDI-TOF instrument. Theoretical masses (MALDI show [M-1]):

VTag-EEQYN-(FA2)-STYR	2952.368
VTag- EEQYN-(FA2G1)-STYR	3114.4208
VTag- EEQYN-(FA2B)-STYR	3155.4474
VTag- EEQYN-(FA2G2)-STYR	3276.4736
VTag- EEQYN-(FA2BG1)-STYR	3317.5002

- Matrix: 2,5-dihydroxybenzoic acid (DHB), 0.1%TFA
- Mode: negative ion