

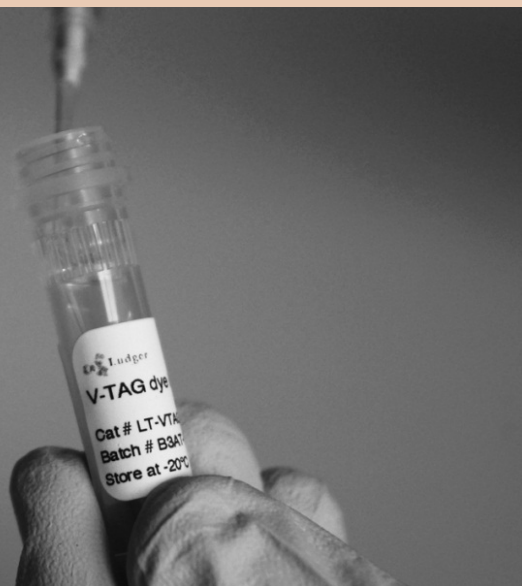


# Ludger

## News – July/August 2015

### LudgerTag V-Tag™ for Glycopeptide Profiling

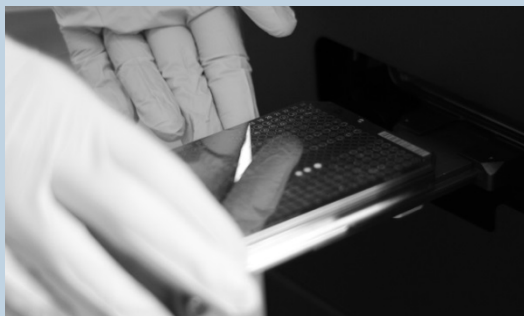
Adding glycomics profiling to  
your peptide mapping workflow



A validated system for labeling glycopeptides from IgG mAbs enabling analysis by U-HPLC and/or MALDI-MS.

- Glycopeptides are labeled with V-Tag dye and enriched to enhance signal intensity on MALDI-MS
- Minimal Sample needed; as little as 10µg of glycoprotein
- Labeling and enrichment is completed within 2 hours
- GMP compatible: Validated according to ICH Q2 standards

If you would like to receive a promo presentation detailing how our V-Tag glycopeptide labeling kit works and how you can implement it into your workflow please contact us. [info@ludger.com](mailto:info@ludger.com)



### LudgerMass Service

LudgerMass-MALDI is a new service that will be launched in Autumn 2015 to give you access to mass spectra of your sample.

- Fixed price per sample
- Appropriately prepared samples\* accepted for analysis
- A range of matrices can be selected

For more information please contact us, [info@ludger.com](mailto:info@ludger.com)

\* Large and/or labile molecules, lipids, peptides, proteins, oligonucleotides, and synthetic polymers.

## Setting up sialic acid analysis in-house

Sialic acid analysis is a regulatory requirement laid out in the ICH Q6B guidelines for characterisation of biopharmaceuticals. The LudgerTag™ DMB kit provides all that is required to release sialic acids from glycoproteins and label them with DMB prior to analysis by (U)HPLC.

For positive controls, we recommend using fetuin glycoprotein which contains both Neu5Ac and Neu5Gc sialic acids. We also recommend a purified sialylated glycopeptide standard, the first in a range of Ludger BioQuant™ quantitative standards, as a positive control. This standard (Cat No. BQ-GPEP-A2G2S2-10U) is a complex biantennary N-linked glycan terminating in two N-acetylneuraminic acids. Using this standard will enable you to check the efficiency of glycan release, labeling and recovery and will give you confidence in the accuracy of your sialic acid measurements. Ludger also sells a standard which can be used for identification of Neu5,9Ac2 which is present in human erythropoietin (EPO). Formulation buffer can be used as a negative control.

### Ludger Products

#### Release and label sialic acids with DMB:

LudgerTag™ DMB Sialic Acid Labelling Kit

#### Sialylated Positive Controls:

Fetuin Glycoprotein (4 x 50 ug)

Quantitative Glycopeptide Standard

Neu5,9Ac2 standard

N-acetylneuraminic acid quantitative standard

N-glycolyneuraminic acid quantitative standard

#### HPLC analysis:

LudgerSep™ R1 HPLC Column

#### U-HPLC analysis:

LudgerSep™ uR2 UHPLC Column

### Cat.No.

LT-KDMB-A1

GCP-FET-50U-X4

BQ-GPEP-A2G2S2-10U

CM-NEU5,9,AC2-01

CM-NEU-AC-01

CM-NEU-GC-01

LS-R1-4.6x150

LS-UR2-2.1x100



Contact us for more  
information: [info@ludger.com](mailto:info@ludger.com)