



Accelerating precision medicine through proteomics and immune monitoring™
caprion.com

LARGE MOLECULE PHARMACOKINETIC (PK) BIOMARKER ASSAYS

by *ProteoCarta™* of Caprion

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WHY CHOOSE PROTEOCARTA™ FOR MY PK STUDIES?

By applying our proteomics expertise and our unique mass spectrometry platform, Caprion provides PK assay services resulting in the quantitation of specific proteins in biological matrices. Our mass spectrometry-based Multiple Reaction Monitoring (MRM) assays deliver PK assays with high sensitivity and selectivity.

PK assays performed using Caprion's ProteoCarta mass spectrometry platforms provide:

- Absolute quantitation of proteins that may be difficult to obtain by standard immunoassays
- Simultaneous measurement of multiple peptides/proteins in the same liquid chromatography (LC)/mass spectrometry (MS) sample run

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WHAT ARE THE ADVANTAGES OF PROTEOCARTA'S MASS SPECTROMETRY-BASED PLATFORM FOR PK STUDIES?

Flexibility in Sample Preparation

- Direct measurement without using antibodies
- Hybrid use of antibody and mass spectrometry (MS)

Accurate and Efficient

- Tracking for variability in sample processing and mass spectrometry using an internal standard (stable labeled or analogue protein)
- No need to analyze samples in duplicate to assess variability

High Specificity

- Measurement of a unique peptide of the protein of interest based on specific mass

Selectivity

- Caprion's expertise in sample processing successfully reduces any matrix effects

3 HOW WILL PROTEOCARTA™ HELP ME ACCELERATE MY PK STUDIES?

We perform PK assays for pre-clinical and clinical studies with adherence to GLP regulations. Caprion has established Standard Operating Procedures following FDA guidelines for validation and sample analysis. We have a track record for rapidly developing custom assays requiring complex sample preparation and mass spectrometry analysis.

4 WHO IS PROTEOCARTA?

ProteoCarta, is the proteomics division of Caprion, a dynamic and nimble contract research partner for bioanalytical, pre-clinical and clinical divisions of biotechnology and pharmaceutical companies specializing in proteomics and immune monitoring.

Over 50 biotechnology and pharmaceutical companies have trusted Caprion's proteomics expertise, including analysis and method development for the most challenging of proteins.