

CERTIFICATE OF ANALYSIS

Labeled U Mab-Ph

Cat. #: GS0068

Lot: 103

Package size: 1 mg

Description A human monoclonal IgG1 15N4 and 13C6 labeled Arginine and 15N2 and 13C6 labeled Lysine

Tested applications A280, SDS-Page, mass spectrometry

Form Liquid, frozen in 50mM Ammonium Bicarbonate, pH 7.2.

Storage Frozen (-20°C or lower). Store at 4°C when thawed or aliquot and refreeze.

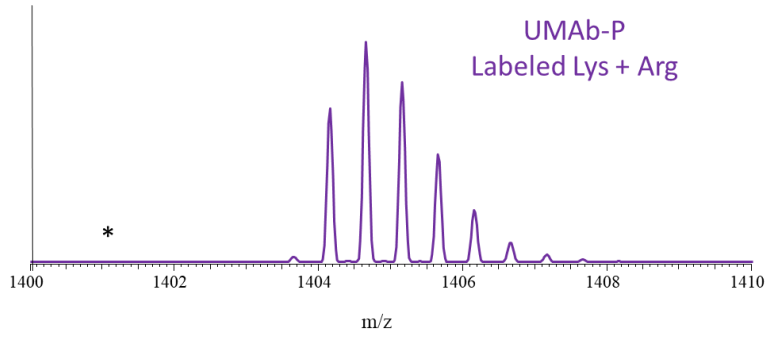
Lot specific data:

Test	Result	Specification
Concentration (A280, ext. coefficient = 1.5)	1.5 mg/ml	Between 0.5 and 1.5 mg/ml
Label incorporation by mass spectrometry	>99%	≥ 98 %

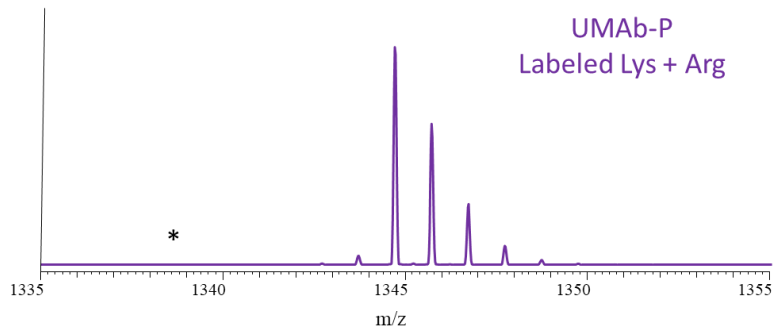
Analysis:

LC-MS spectrum of tryptic peptides (WQQGNVFS^{*}SVMHEALHNH^{*}YTQK and NSLYLQMNSLR) from Heavy labeled Arg/Lys U Mab-P. The * marks the location of the unlabeled species. The ratio of the labeled to unlabeled ions indicates >99% incorporation of the heavy Lys and Arg into these peptides.

WQQGNVFS^cSVMHEALHNHYTQK



NSLYLQMNSLR



4-12% Bis-Tris Gel

