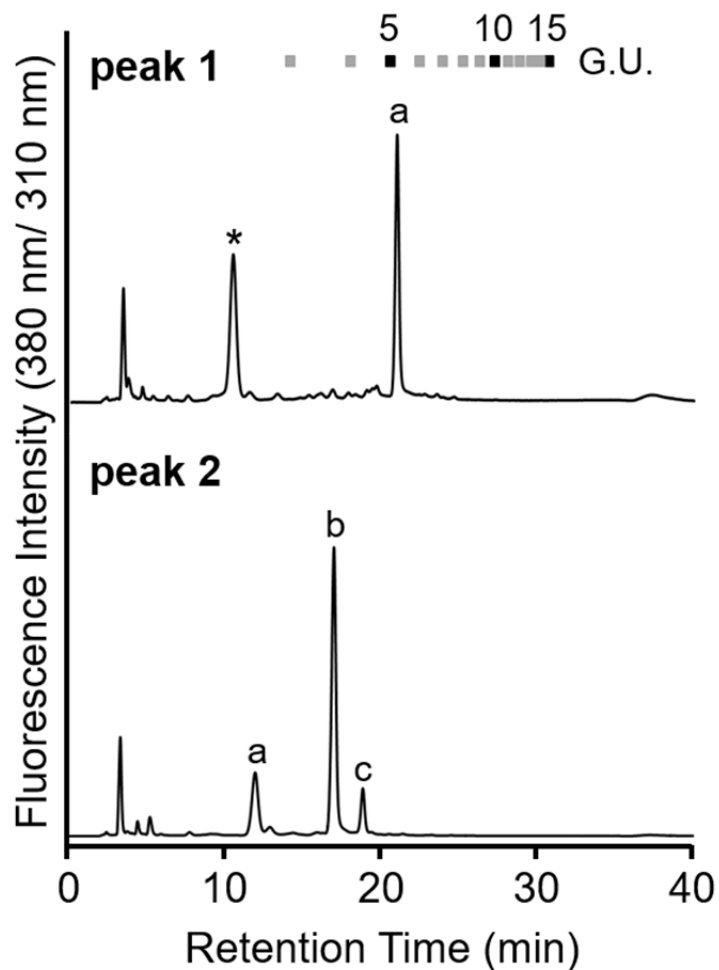


1 **Supplementary Figures**

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5 **Figure S1 Secondary separation of PA-glycans isolated from nMIR using**  
6 **SF-HPLC.**

7 The PA-labeled glycans separated by the initial RP-HPLC (Figure 2) were further  
8 fractionated by SF-HPLC. The peak shown in each chromatogram corresponds to that  
9 of RP-HPLC in Figure 3A and 3B. Asterisk indicates unknown derivatives.

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MKELTMLSLSFFFVSALLAAAANPLLSAADSAPNPVLDIDGKLRRTGTNY  
YIVPVLRDHGGGLTVSATT**P<sup>N71</sup>GT**FVCP<sup>R</sup>VVQ<sup>T</sup>RKEVDHDRPLAFFPEN  
PKEDVVRVSTD<sup>L</sup>NIN<sup>N114</sup>**FS**AFMPCR<sup>W</sup>T<sup>S</sup>S<sup>T</sup>V<sup>W</sup>R<sup>L</sup>D<sup>K</sup>Y<sup>D</sup>E<sup>S</sup>T<sup>G</sup>Q<sup>Y</sup>F<sup>V</sup>T<sup>I</sup>G<sup>G</sup>  
VKG<sup>N</sup>P<sup>G</sup>P<sup>E</sup>T<sup>I</sup>S<sup>S</sup>W<sup>F</sup>K<sup>I</sup>E<sup>E</sup>F<sup>C</sup>G<sup>S</sup>G<sup>F</sup>Y<sup>K</sup>L<sup>V</sup>F<sup>C</sup>P<sup>T</sup>V<sup>C</sup>G<sup>S</sup>C<sup>K</sup>V<sup>K</sup>C<sup>G</sup>D<sup>V</sup>G<sup>I</sup>Y<sup>I</sup>D<sup>Q</sup>  
K<sup>G</sup>R<sup>R</sup>R<sup>L</sup>L<sup>A</sup>L<sup>S</sup>D<sup>K</sup>P<sup>F</sup>A<sup>F</sup>E<sup>F</sup>**N<sup>N215</sup>KT**V<sup>Y</sup>F

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5 **Figure S2 Amino acid sequence of miraculin.**

6 Potential *N*-glycosylation sites, Asn71, Asn114 and Asn215, are shown in bold.

7 Under line denotes a deuced signal peptide.

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