

Figure S1. Synthesis scheme of PEG_{5K}-FTS₂(S) conjugate.

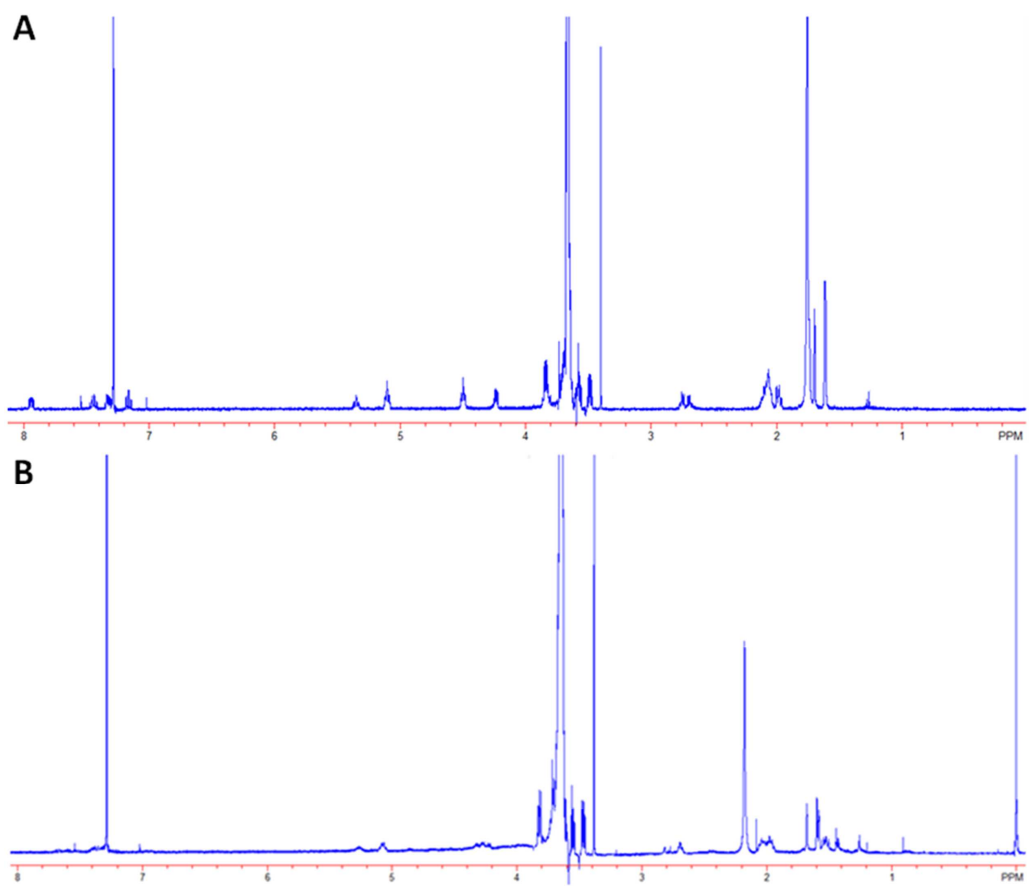


Figure S2. ¹H NMR spectra (400 MHz) of PEG_{5K}-FTS₂(L) (A) and PEG_{5K}-FTS₂(S) (B) conjugate in CDCl₃.

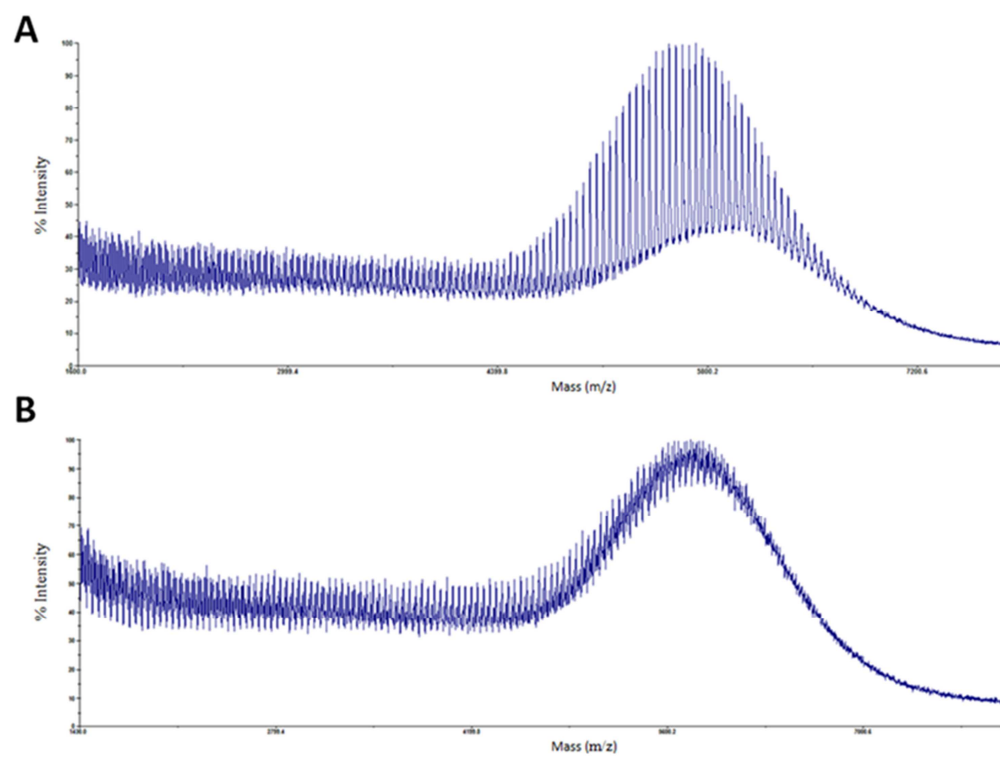
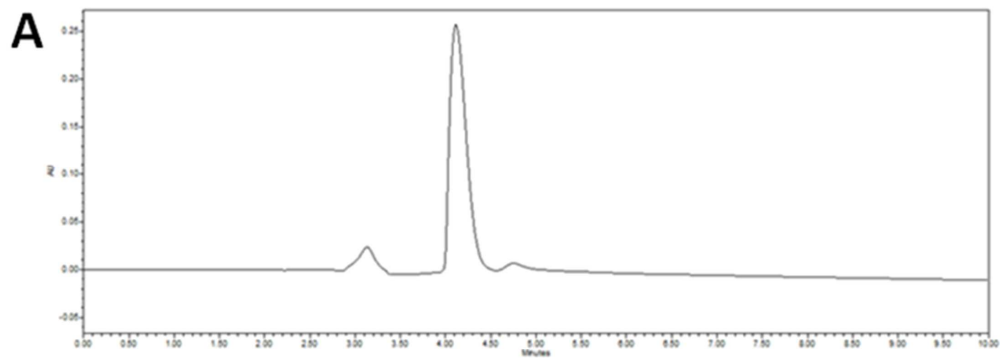
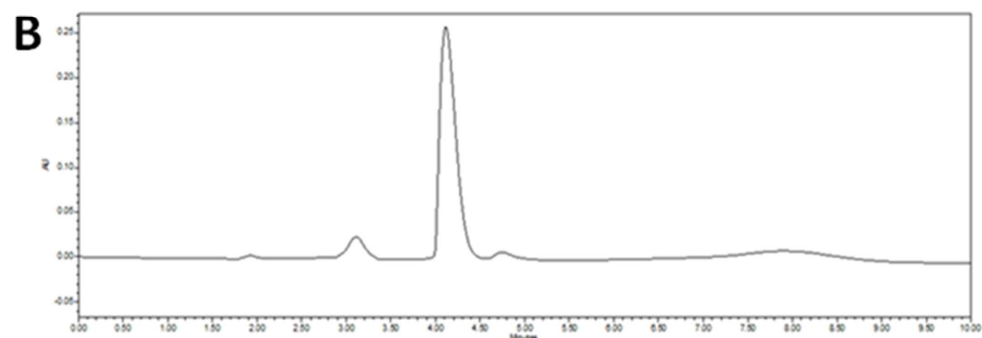


Figure S3. MALDI-TOF of PEG_{5K}-FTS₂(L) (A) and PEG_{5K}-FTS₂(S) (B) conjugate.



Retention Time	Area	% Area	Height
4.114	3321524	95.42	259520
4.748	159410	4.58	9002

Purity=95.42%



Retention Time	Area	% Area	Height
4.115	3216210	96.23	258278
4.744	125965	3.77	8233

Purity=96.23%

Figure S4. HPLC trace of PEG_{5K}-FTS₂(L) (A) and PEG_{5K}-FTS₂(S) (B) conjugate.