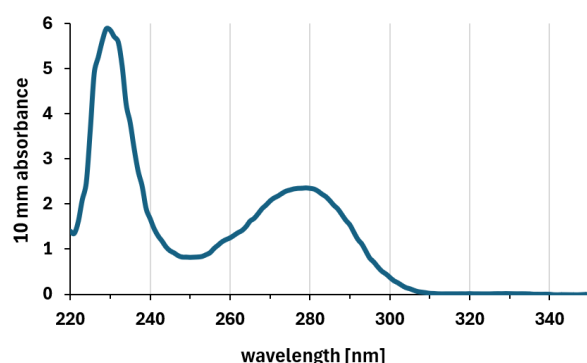


Certificate of analysis

Product number: GL-011
Product name: XN-IL lectin produced recombinantly in *E. coli*, unconjugated
Form: Lyophilized powder
Unit size: 1 mg
LOT number: 17566

General quality test

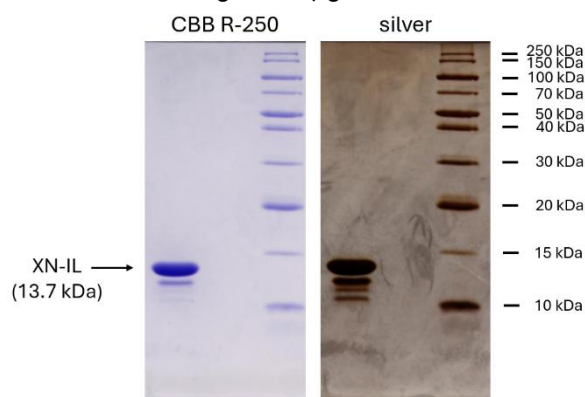
UV spectrometry, 1.19 mg/ml



$$A_{260}/A_{280} = 0.53$$

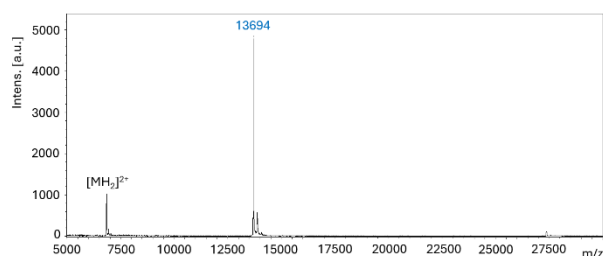
Purity

SDS-PAGE, 15% gel, 7.7 µg loaded



Identity

Intact mass analysis (MALDI-TOF)

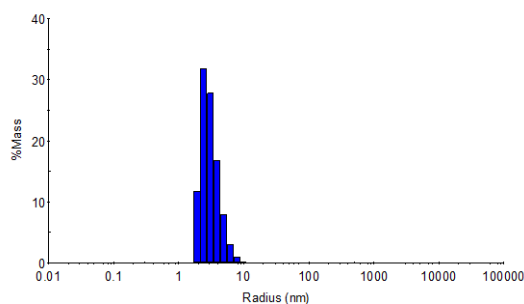


Molar mass (theoretical): 13693 Da

Molar mass (MS): 13694 Da

Homogeneity

Dynamic light scattering (DLS), 1.3 mg/ml, 25 °C

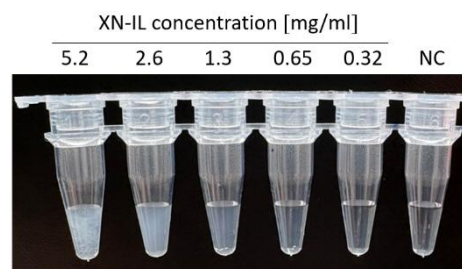


$R_h = 3.2$ nm (in 20 mM Tris, 150 mM NaCl, 0.5 mM CaCl_2 , pH 7.5)

Activity

Precipitation of hyaluronate (70-80 kDa)

Mixtures containing XN-IL (0.32-5.2 mg/ml, two-fold dilution) and hyaluronan (1 mg/ml) performed in 20 mM Tris, 150 mM NaCl, 0.5 mM CaCl_2 , pH 7.5



NC = negative control
(without XN-IL)