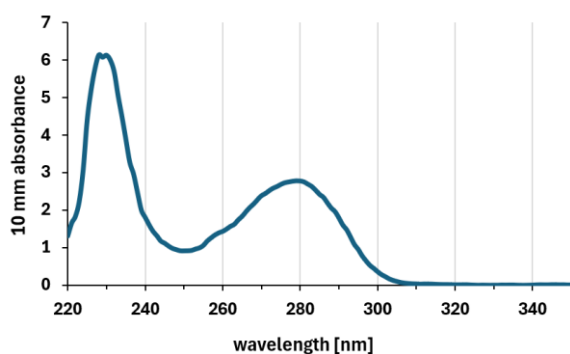


Certificate of analysis

Product number: GL-001
Product name: AFL lectin produced recombinantly in *E. coli*, unconjugated
Form: Lyophilized powder
Unit size: 1 mg
LOT number: 03062

General quality test

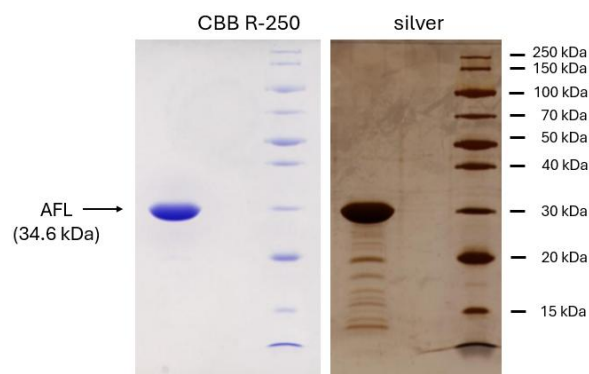
UV spectrometry, 1.10 mg/ml



$$A_{260}/A_{280} = 0.52$$

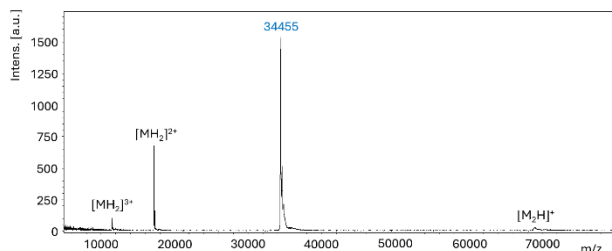
Purity

SDS-PAGE, 12% gel, 8.2 µg loaded



Identity

Intact mass analysis (MALDI-TOF)

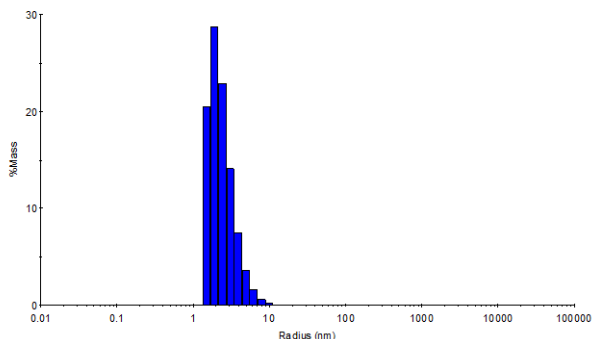


Molar mass (theoretical): 34450 Da

Molar mass (MS): 34455 Da

Homogeneity

Dynamic light scattering (DLS), 1.4 mg/ml, 25 °C

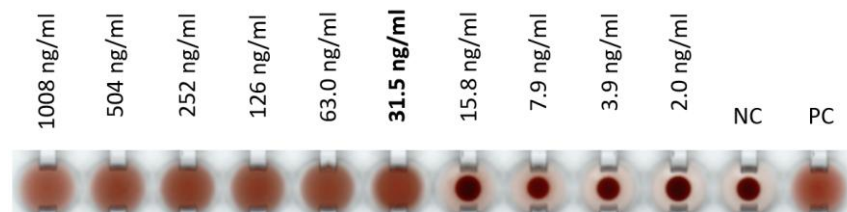


$R_h = 2.5$ nm (in 20 mM Tris, 150 mM NaCl, pH 7.4)

Activity

Hemagglutination assay

AFL, two-fold dilution series in 20 mM Tris, 150 mM NaCl, pH 7.4
 human erythrocytes, blood group A, treated with papain, 1% suspension



NC = negative control (buffer)

PC = positive control (RSL lectin, 0.10 mg/ml)