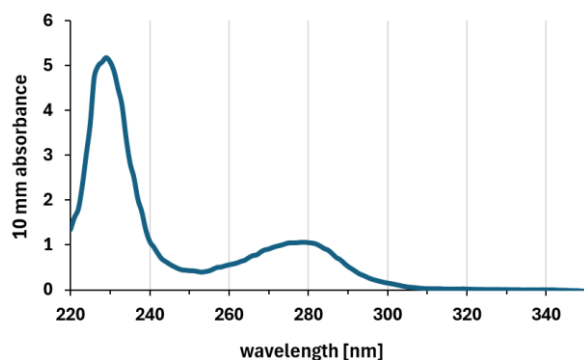


Certificate of analysis

Product number: GL-009
Product name: PLTL lectin produced recombinantly in *E. coli*, unconjugated
Form: Lyophilized powder
Unit size: 1 mg
LOT number: 26154

General quality test

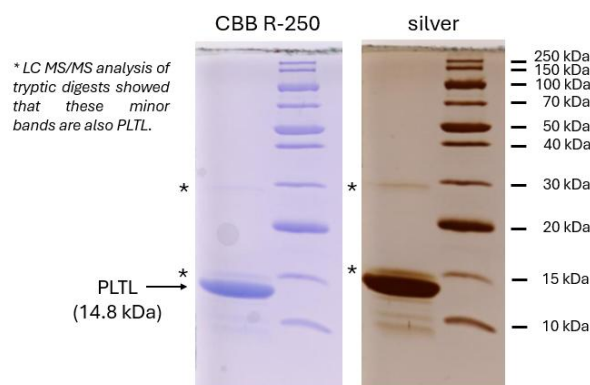
UV spectrometry, 0.98 mg/ml



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

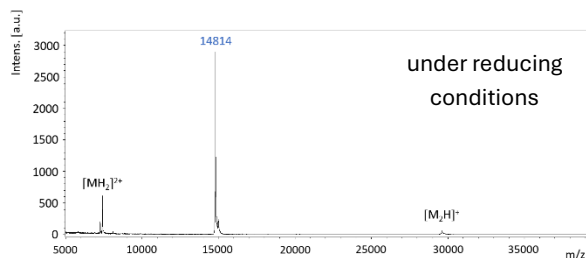
Purity

SDS-PAGE, 15% gel, 8.1 µg loaded



Identity

Intact mass analysis (MALDI-TOF)

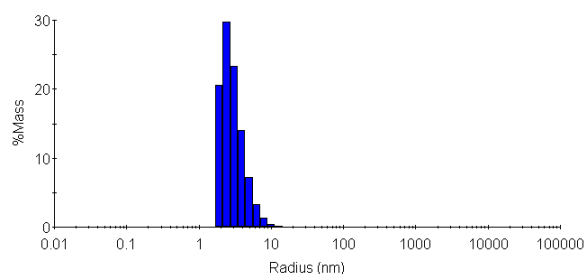


Molar mass (theoretical): 14813 Da

Molar mass (MS): 14814 Da

Homogeneity

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



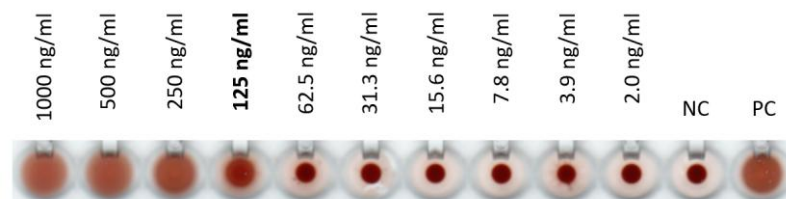
$R_h = 3.1$ nm (in 20 mM Tris, 150 mM NaCl, pH 7.4)

Activity

Hemagglutination assay

PLTL, two-fold dilution series in 20 mM Tris, 150 mM NaCl, pH 7.4

human erythrocytes, blood group B, treated with papain, 1% suspension



NC = negative control (buffer)
PC = positive control (RSL lectin, 0.06 mg/ml)