Supporting Information

Structural Characterization and Anticancer Activity of Cell-bound Exopolysaccharide (c-EPS) from *Lactobacillus helveticus* MB2-1

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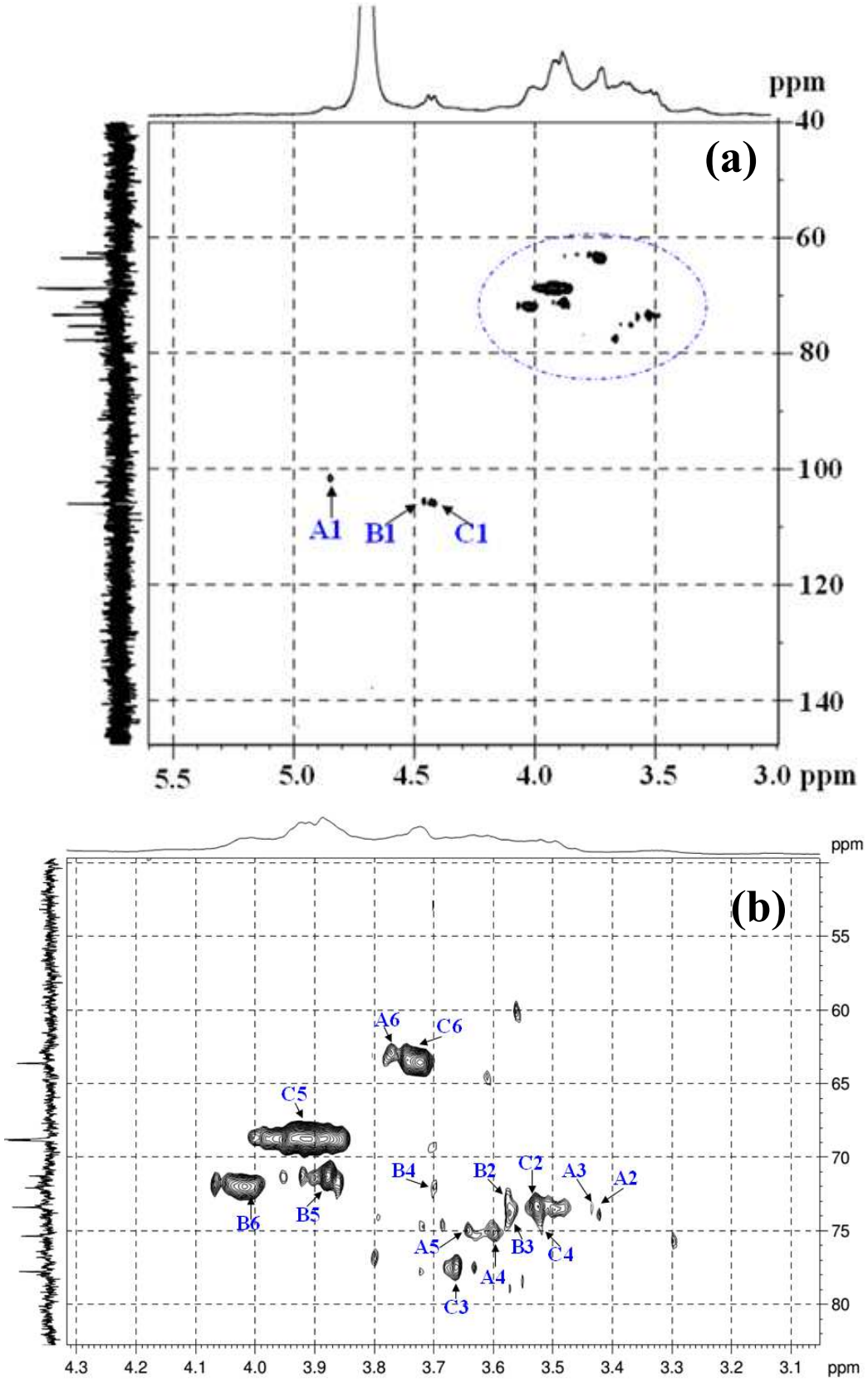
Figure Captions

Figure S1. $^{1}H–^{13}C$ heteronuclear single quantum coherence spectroscopy (HSQC) of c-EPS from *L. helveticus* MB2-1 recorded on Bruker Avance DRX-500 spectrometer in D_2O (**a**). The assignments of sugar residues in non-anomeric region for HSQC spectrum (**b**).

Figure S2. 2D $^{1}H–^{1}H$ correlated spectroscopy (COSY) of c-EPS from *L. helveticus* MB2-1 recorded on Bruker Avance DRX-500 spectrometer in D_2O (**a**). The assignments of sugar residues in non-anomeric region for COSY spectrum (**b**).

Figure S3. Nuclear Overhauser effect spectroscopy (NOESY) of c-EPS from *L. helveticus* MB2-1 recorded on Bruker Avance DRX-500 spectrometer.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(a)
40
60
80
100
120
140
A1
B1
C1
5.5
5.0
4.5
4.0
3.5
3.0 ppm
(b)
ppm
55
60
65
70
75
80
A6
C6
C5
B4
B2
C2
A3
A2
B6
B5
A5
B3
C4
A4
C3
4.3
4.2
4.1
4.0
3.9
3.8
3.7
3.6
3.5
3.4
3.3
3.2
3.1
ppm

Figure S1

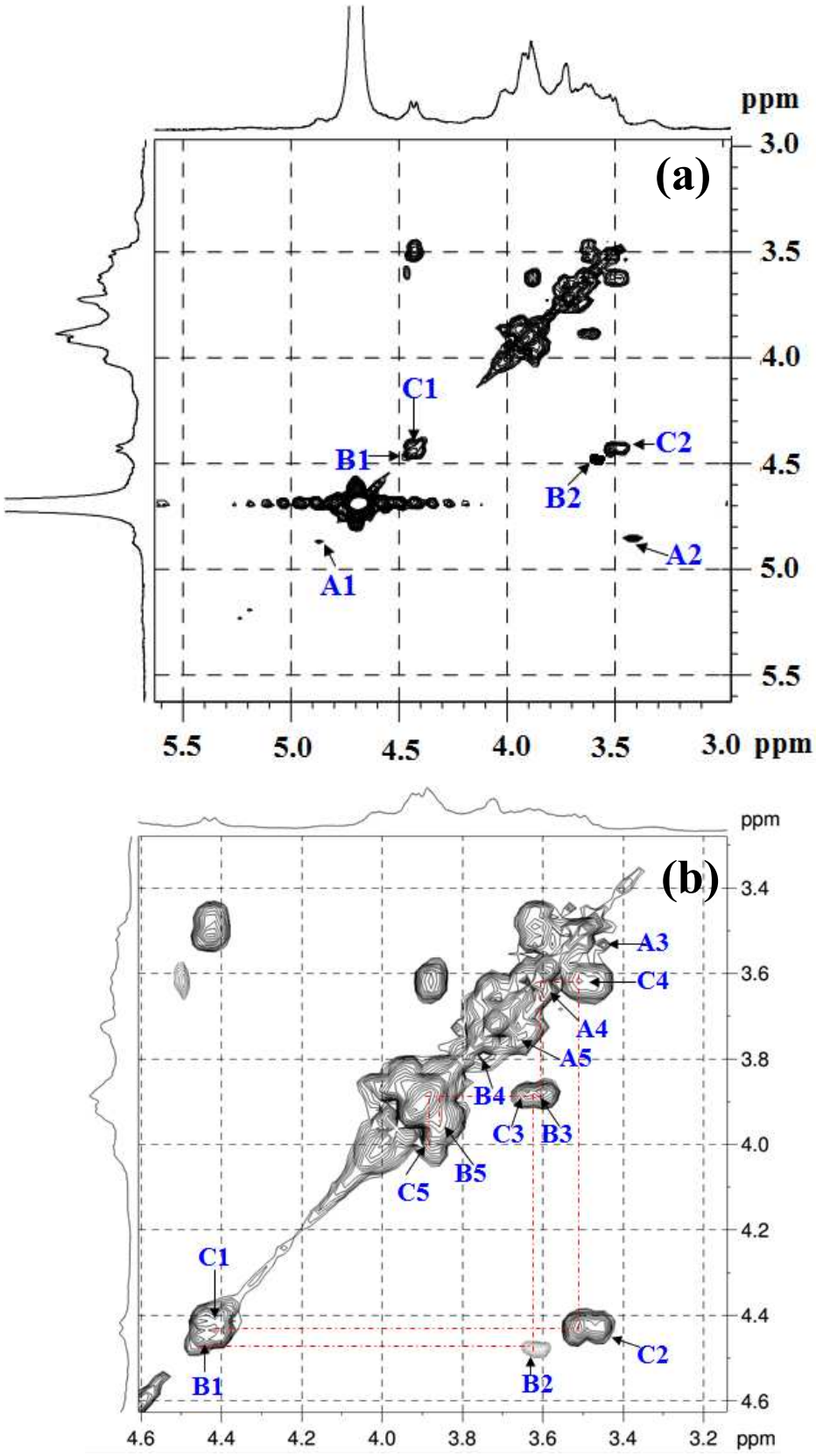
(a)
ppm
3.0
3.5
4.0
4.5
5.0
5.5
C1
B1
C2
B2
A1
A2
5.5
5.0
4.5
4.0
3.5
3.0 ppm
(b)
ppm
3.4
3.6
3.8
4.0
4.2
4.4
4.6
A3
C4
A4
A5
B4
C3
B3
B5
C5
C1
B1
B2
C2
4.6
4.4
4.2
4.0
3.8
3.6
3.4
3.2 ppm

Figure S2

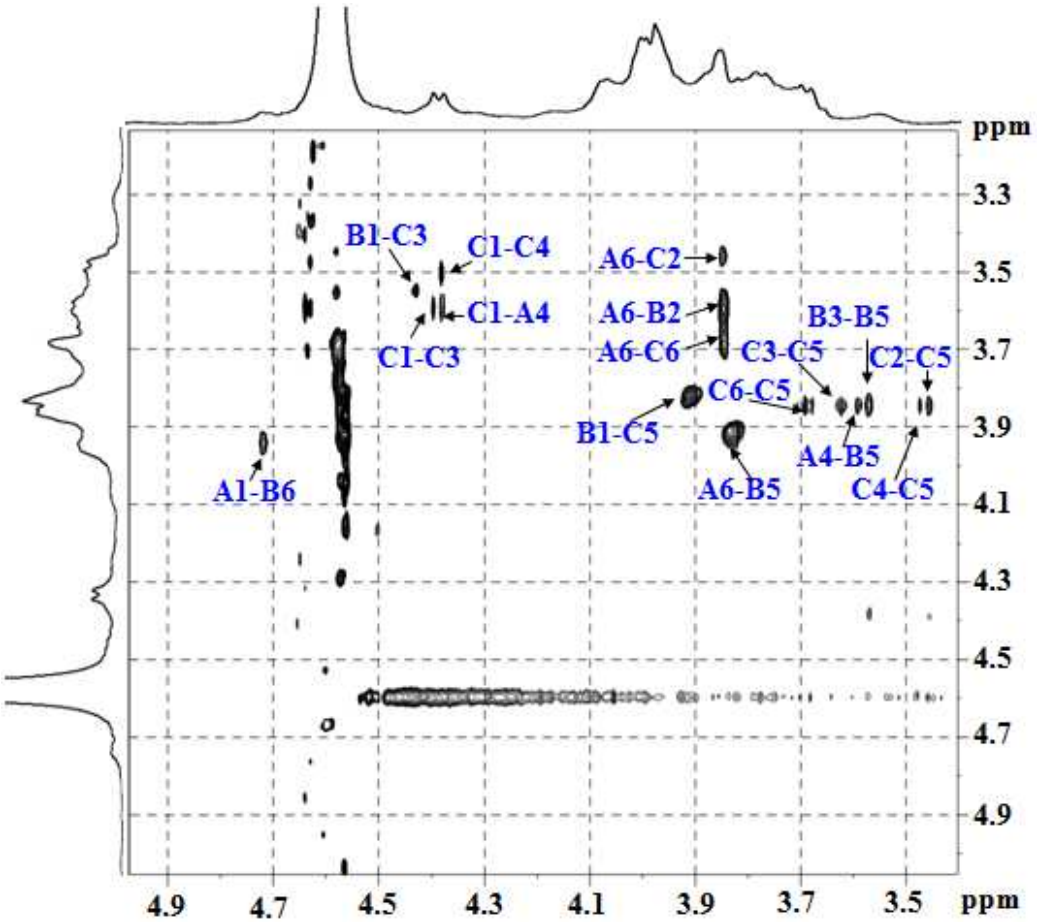
B1-C3
C1-C4
C1-A4
C1-C3
A6-C2
A6-B2
A6-C6
B3-B5
C3-C5
C2-C5
C6-C5
B1-C5
A4-B5
A6-B5
C4-C5
A1-B6
ppm
3.3
3.5
3.7
3.9
4.1
4.3
4.5
4.7
4.9
4.9
4.7
4.5
4.3
4.1
3.9
3.7
3.5
ppm

Figure S3