

Supplementary information

Figure S1

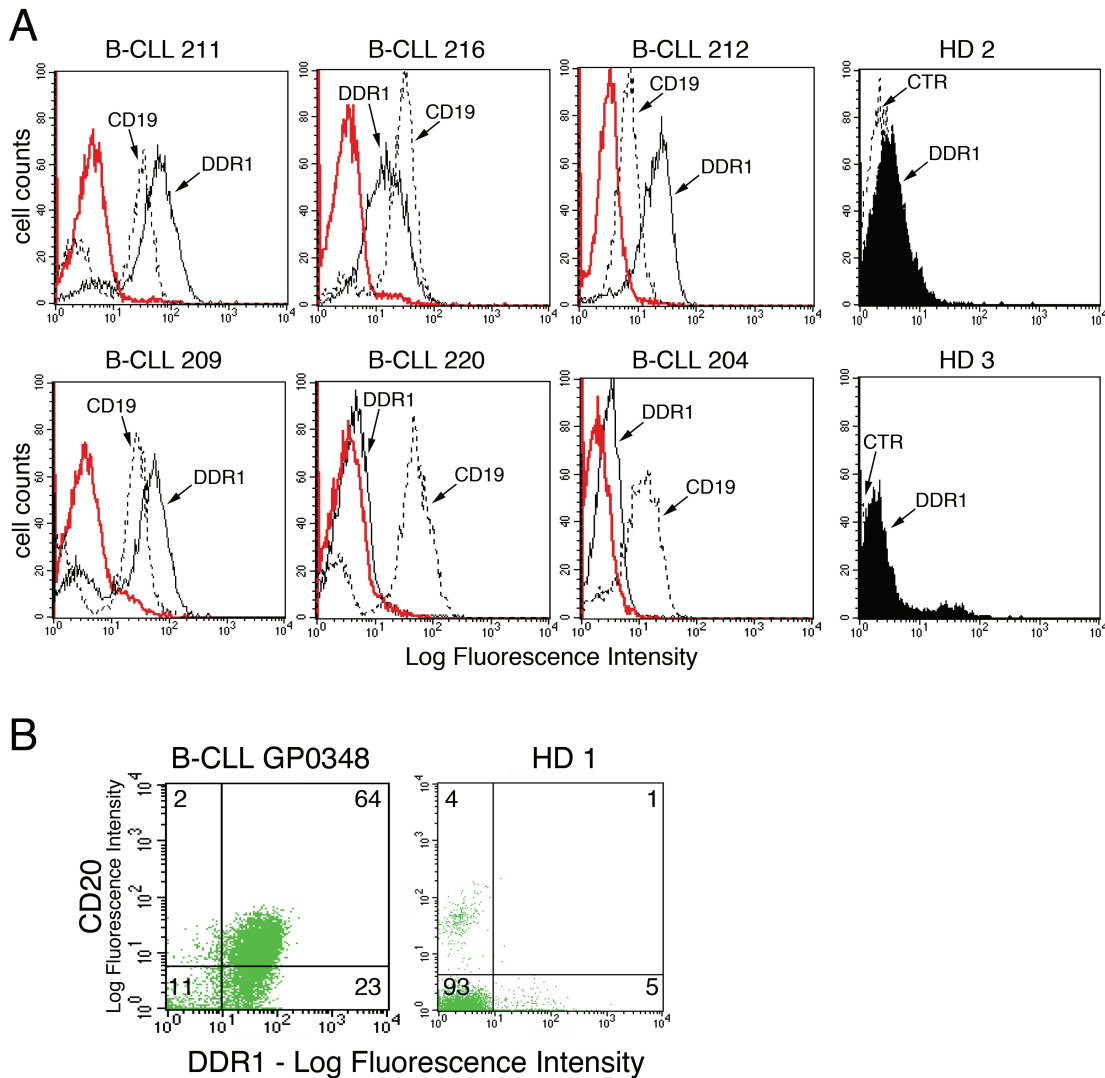
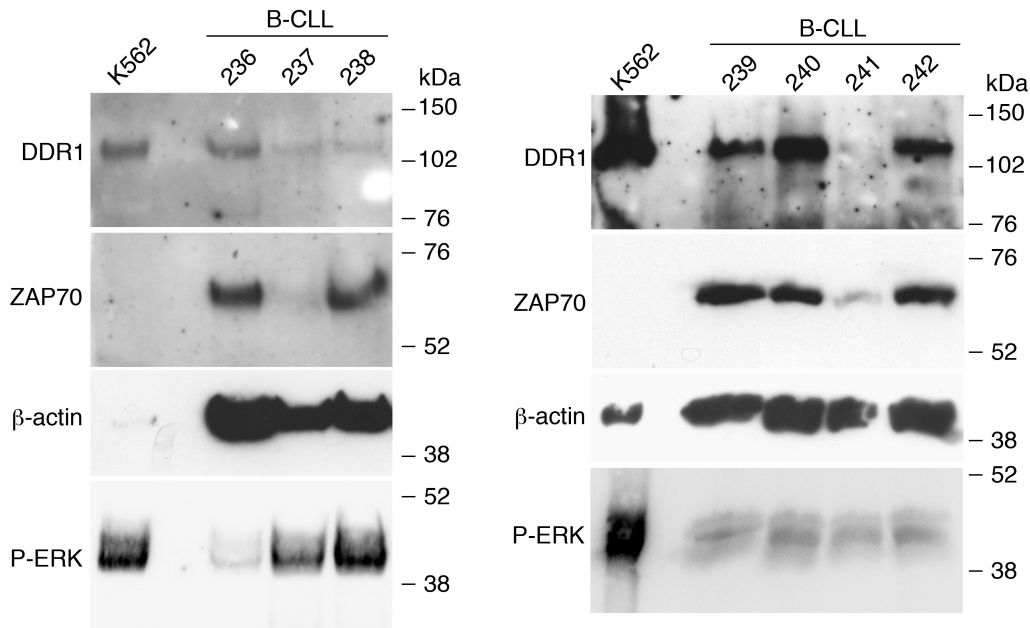


Figure S2



Supplementary Figure 2: Western blot analysis of DDR1, ZAP70 and P-ERK1/2 in 7 additional CLL cases. K562 erythroid leukemia cell line is shown as positive control and β -actin as loading control. Before re-probing, blots were stripped with Restore Western Blot Stripping Buffer (Thermo Fisher Scientific, Life Technologies Italia, Monza, Italy). CLL cells were lysed in 10 mM Tris-HCl pH 7.5, 1 mM EDTA, 150 mM NaCl, 1% Triton-X-100, 0.1% SDS, 1 mM sodium orthovanadate and 1 mM PMSF. Lysates were resolved by 10% SDS-PAGE under reducing conditions and analysed by Western blotting using the following antibodies: rabbit anti-DDR1 (Cell Signaling Technology, Danvers, MA), mouse anti-ZAP70 (clone 2F3.2, Upstate, Merck Millipore, Vimodrone, Italy), anti-phospho-ERK1/2 (Santa Cruz Biotechnology, Heidelberg, Germany) and anti- β actin (Sigma-Aldrich, Milan, Italy), according to manufacturers' instructions. Proteins were detected by ECL Prime (GE Healthcare Italia, Milan, Italy) and autoradiography.

Table S1. Characteristics of the CLL cases analysed by Western blot.

B-CLL case n.	CD38	IgGVH
226	2 ^{a)}	unmut
230	8	unmut
232	2	unmut
233	78	unmut
234	5	NA ^{b)}
236	35	NA
237	40	unmut
238	7	unmut
239	80	unmut
240	NA	mut
241	NA	mut
242	50	unmut

a) % positive cells, flow cytometry

b) NA = not available

Table S2. Characteristics of the CLL cases analysed by immunofluorescence.

	N. of cases
Total	34
ZAP70 ^{a)}	
≥ 30	10
< 30	13
NA ^{b)}	11
CD38	
≥ 30	5
< 30	20
NA	9
IGVH status	
mutated	14
un-mutated	11
NA	9

a) % positive cells, flow cytometry

b) NA not available