



**Fig. S1. Representative results from flow cytometry analysis.** Plasmids expressing the full-length type-XVII collagen (COL17A, BP180) and FLAG peptide were co-transfected with the green fluorescent protein (GFP) expression vector into HEK293T cells. Flow cytometry revealed the presence of human IgG recognizing BP180 in the current case. A monoclonal anti-FLAG antibody and serum from a healthy subject (Control) were used as positive and negative controls, respectively. Dead cells were excluded from analysis using propidium iodide (PI) staining. Numbers above *dotted rectangles* (GFP-negative) and *solid rectangles* (GFP-positive) indicate mean fluorescence intensity (MFI) levels of allophycocyanin (APC).