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IL-33 stimulation down-regulated *ADAMTS15* gene and protein in U118 glioblastoma cell

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ADAMTS (A disintegrin-like and metalloproteinase domain with thrompospondin-1 repeats) are a large family of proteoglycanase that show proteolytic activity towards proteoglycans like aggrecan, brevican, neurocan and versican. Interleukin-33 (IL-33) is an IL-1 cytokine family member that uniquely play a role as a cytokine and nuclear factor. It is released by necrotic epithelial cells and activated innate immune cells as an alarming danger signal. ADAMTS and IL-33 implicated in brain cancer pathogenesis. We aimed to seek the amount of *ADAMTS15* in U118 glioblastoma cell line which was stimulated by IL-33. Western blot and Real-time PCR methods were used. IL-33 treatment decreased *ADAMTS15* protein and mRNA amount significantly. Therefore, *ADAMTS15* potentially has a role in glioblastoma pathobiology.

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