

Tumor necrosis factor (TNF) ● Tumor necrosis factor (TNF) is a multifunctional cytokine that plays important roles in diverse cellular events such as cell survival, proliferation, differentiation, and death. ● TNF Tumor necrosis factor is secreted by inflammatory cells, which may be involved in inflammation-associated carcinogenesis. ● Tumor necrosis factor alpha (TNF- α) is a cytokine with pleiotropic effects on various cell types. ● Transforming growth factor-beta (TGF- β) is a secreted cytokine that intricately controls many physiological and pathological processes