

Prostate Cancer ELISA kits

1. High sensitivity GDF-15 (NAG-1, (MIC-1) Cancer ELISA

Cat # NG 1: ELISA kit for measuring NAG-1 in biological samples

2. PSA Cancer ELISA

Cat # PSA1: ELISA kit for measuring PSA in biological samples

These sensitive sandwich ELISA kits are for determination of NAG-1 and PSA levels in prostate cancer plasma samples. Increased serum NAG-1 levels of prostate cancer patients are correlated with prostate cancer metastasis including bone metastasis^{1,2}. High NAG-1 levels may induce high PSA levels³ (see Fig. 1). Lowering serum NAG-1 levels is a newly found medical intervention target to fight prostate cancer metastasis³.

Each kit for triplicate analyses of up to 24 samples contains one 96 well plate, NAG-1 or PSA standards, biotinylated detection antibodies and streptavidin-conjugated horseradish peroxidase (HRP), and buffers for sample and antibody and HRP dilutions, and plate washing.

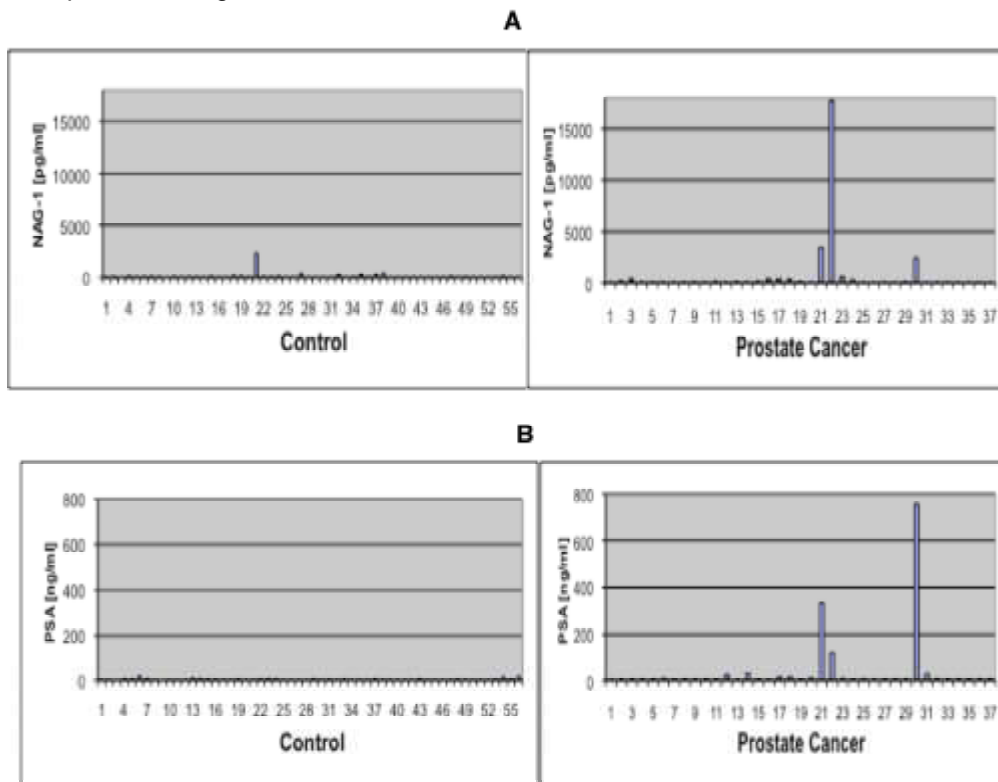


Fig. 1. NAG-1(A) and PSA (B) levels of control and prostate cancer plasma samples. Samples #21, #22 and #30 in prostate cancer shows high levels in both NAG-1 and PSA.

1. Welsh, JB, Sapinoso, LM, Kern, SG, Brown, DA, Liu, T, Bauskin, AR, Ward, RL, Hawkins, NJ, Quinn, DI, Russell, PJ, Sutherland, RL, Breit, SN, Moskaluk, CA, Frierson, Jr., HF, Hampton, GM 2003 Large-scale delineation of secreted protein biomarkers overexpressed in cancer tissue and serum. PNAS 100: 3410-3415.
2. Eling, TE, Baek SJ, Shim, M, Lee, CH 2006 NSAID activated gene (NAG-1), a modulator of tumorigenesis. J. Biochem. Mol Biol 39:649-655 and references therein.
3. Kim 2011 US Patents: "Form-specific antibodies for NAG-1 (MIC-1, GDF-15), H6D and other TGF-beta subfamily and heart disease and cancer diagnoses", pending.