



Online supplement Fig. 1. Expressions of Fc RI in NGF-cultured mast cells. NGF-cultured HMC-1 cells (1×10^6 cells) were sampled as described in “Materials and Methods”. Total mRNAs from HMC-1 cells were extracted and RT-PCR was performed using gene specific primers for Fc RI (A). Expression of Fc RI was conducted by western blot (B). (-) or (+), cells cultured without or with NGF, respectively. BMMCs (1×10^6 cells/ml) cultured in the presence or absence NGF (10 ng/ml) for 5 weeks were incubated with 0.1 μ g/ml anti-DNP IgE antibody in FACS buffer (PBS containing 5% FBS, 0.1% sodium azide) for 2 hr at 4 C. The cells were washed and stimulated with 1.0 μ g/ml FITC-conjugated anti-mouse IgE for 30 min at 4 C, and then analyzed by FACS as described in “Materials and Methods” (C). Black line, negative control; Red line, BMMCs cultured without NGF; Green line, BMMCs cultured with NGF.