Figure 6. IL-7 increases mediators indicative of proinflammatory activity. Serum concentrations of soluble CD40 ligand (CD40L), indicative of T-cell activation were increased by IL-7 compared to PBS. Chemokines facilitating chemotaxis and activation of T cells (macrophage inflammatory protein (MIP)-1α, MIP-3β and lymphotactin) and neutrophils (macrophage-derived chemokine: MDC) were increased by IL-7. Also, mediators associated with vascular activation and angiogenesis (vascular cell adhesion molecule, VCAM-1; vascular endothelial cell growth factor, VEGF; thrombopoietin, TPO); and bone (leukemia inhibitory factor: LIF) and tissue (fibroblast growth factor: FGF-basic) remodeling were increased by IL-7. Neutrophil activity, indicated by myeloperoxidase (MPO) levels, was significantly reduced. *, **, *** indicate statistically significant differences of p<0.05, p<0.01, and p<0.005 respectively.