Cellular Immunity and Immunotherapy of Cancer

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Shown are COS-7 cells plated onto coverslips and co-transfected with either the pW-CEA construct and a cytoplasmic GFP expression vector pC-GFP (left) or the pER-CEA construct and a vector encoding GFP fused to an endoplasmic reticulum retention sequence (pER-GFP, middle). Forty-eight hours post-transfection, cells were fixed and processed for immunofluorescence with GFP exhibiting its characteristic green fluorescence and CEA indicated by staining in red. SDS-PAGE analysis of cell lysate from transfected pW-CEA, pER-CEA or control COS-7 cells was performed, followed by detection of CEA by immunoblotting. From Figure 2 of Xiang, et al., “Protective Immunity against Human Carcinoembryonic Antigen (CEA) Induced by an Oral DNA Vaccine in CEA-Transgenic Mice,” found in the special issue (pp. 856–864).