This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Markers			
Soluble APP770 as an early marker of acute coronary syndrome (ACS)	<p>Cell culture, human sample and rodent studies suggest serum APP770 levels could help diagnose ACS. In cultured bone marrow endothelial cells, inflammatory cytokines or platelet activation increased secretion of the endothelial form of amyloid precursor protein (APP), APP770, compared with no treatment. Plasma samples from patients with acute myocardial infarction (MI) had higher soluble APP770 levels than samples from healthy controls. In a rat model of MI, elevation of soluble APP770 levels was detected before elevation of a diagnostic marker currently used to detect acute MI. Next steps could include additional biomarker validation in patient samples.</p> <p><i>SciBX</i> 5(42); doi:10.1038/scibx.2012.1126 Published online Oct. 25, 2012</p>	Patent and licensing status unavailable	<p>Kitazume, S. <i>et al. J. Biol. Chem.</i>; published online Oct. 2, 2012; doi:10.1074/jbc.M112.398578 Contact: Shinobu Kitazume, RIKEN Advanced Science Institute, Saitama, Japan e-mail: shinobuk@riken.jp</p>