

Biotinylated VEGF Digestion

Materials required: Biotinylated VEGF (assumed conc. 50 ng/ μ l)
Active MMP9 (100 ng/ μ l)

Digestion buffer: 50mM Tris-Cl (pH 7.4)
10mM CaCl₂
150mM NaCl
1 μ M ZnCl₂

Digestion: Mix biotinylated VEGF with MMP9 [at the ratio of 1:4 (w/w)], total reaction volume 20 μ l
~2-3 μ l of biotinylated VEGF gives strong signal after electrophoresis and detection
Control- VEGF in digestion buffer without MMP9
Incubate at 37°C, 4hrs. and O/N
Keep at -80°C until perform electrophoresis