



**Figure S4. Representative axial MRI image of mouse bearing a SKOV-3 xenograft tumor.**  $(150\ \mu\text{m})^3$  axial MRI image showing a representative mouse bearing a SKOV-3 xenograft tumor scanned 58 days post cell implantation;  $V_{\text{tumor}} = 296.0\ \text{mm}^3$  (SC=spinal cord).