

**Figure S2. Histological and morphometric details.** (A) The animal tissue (abdominal mesh and surrounding tissue) was excised for histological analysis. (B) Tissue was transversally cut in two pieces, fixed in phosphate buffered formaldehyde solution (4%, pH 7.2, 0.1M), and embedded in paraffin. (C) Paraffin block was sectioned in a rotatory microtome (4  $\mu$ m thickness). A single section at about 40  $\mu$ m from the center of the excised tissue was selected. (D) The thickness of the foreign body granuloma (FBG) was calculated by subtracting the mesh thickness (z) from the total granuloma thickness (y) using 40x magnification micrographs and the ImageJ software – release 1.37c (n=8). For each section, the granuloma thickness was measured in 3 positions ( $m_1$ -first quarter,  $m_2$ - center, and  $m_3$ -third quarter).

