Supplementary Fig. 1. Representative Gating strategy employed. Flow cytometry analysis of cells isolated from broncoalveolar lavage fluids of mice. Contour plots are representative examples of the gating strategy used to define macrophages, neutrophils, T cells and B cells. Dead cells were excluded with Fixable Viability Dye (FVD) as indicated.
Supplementary Fig. 2. Cell profiles in BAL fluid of C57BL/6 mice 24 hr, 1 month and 3 months post-exposure to one or four doses of CMC$_{100}$, nBCMC$_{100}$ and Avicel$_{100}$. The frequency of (A) macrophages, (B) neutrophils, (C) B cells and (D) T cells was assessed by flow cytometry. Means ± SD (n = 3 or 5 mice per group). *p < 0.05 comparing CMC$_{100}$ (24 hr) with CTR (3 months), ***p < 0.001 comparing nBCMC$_{100}$ (24 hr) with CTR (3 months).

Supplementary Table 1. Test groups and experimental outline

| Time period | Group | Number of instillations | Periodicity | Number of animals per group |
|-------------|-------|-------------------------|-------------|-----------------------------|
| 3/6 Months  | Control (PBS) | 4 Weekly Administrations (during the first month only) | 5 |
| 24 hr       | CMC$_{00}$ | 1 Single Administration | 3 |
|             | nBCMC$_{00}$ | 1 Single Administration | 6 |
| 1 Month     | CMC$_{00}$ | 1 Single Administration | 3 |
|             | nBCMC$_{00}$ | 1 Single Administration | 6 |
| 1 Month     | CMC$_{00}$ | 4 Weekly Administrations | 3 |
|             | nBCMC$_{00}$ | 4 Weekly Administrations | 6 |
| 3 Months    | CMC$_{00}$ | 4 Weekly Administrations (during the first month only) | 3 |
|             | nBCMC$_{00}$ | 4 Weekly Administrations (during the first month only) | 6 |
|             | Avicel$_{00}$ | 4 Weekly Administrations (during the first month only) | 4 |
| 6 Months    | nBC$_{10}$ | 4 Weekly Administrations (during the first month only) | 5 |
|             | Avicel$_{10}$ | 4 Weekly Administrations (during the first month only) | 4 |