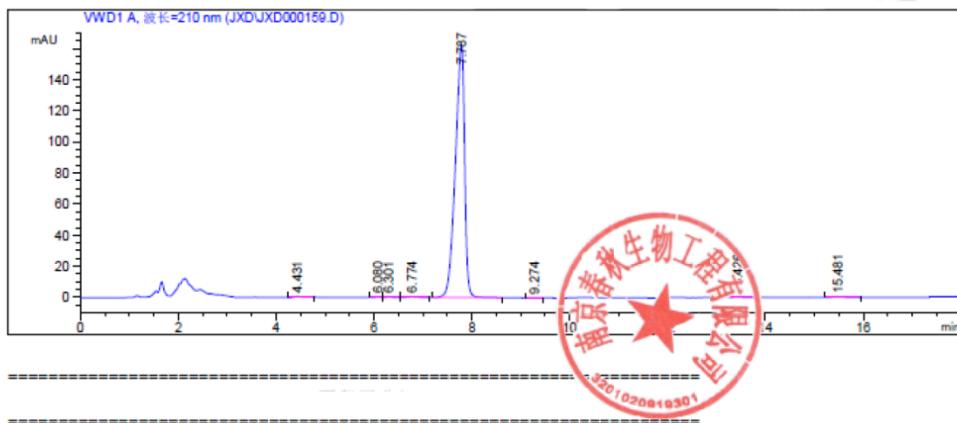
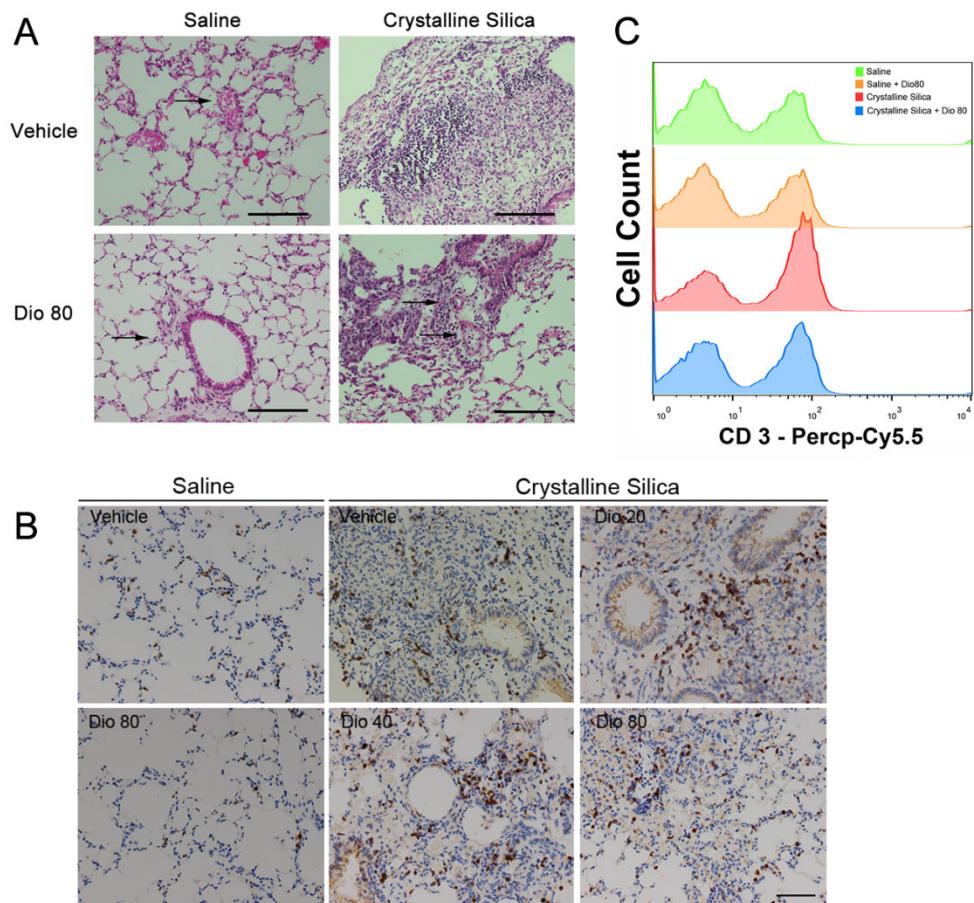


**Figure S1. Equivalent spherical diameter of crystalline silica used in the experiments.** The picture is a screen shot of the product data sheet. Datasheet link: <http://www.ussilica.com/sites/ussilica.com/uploads/files/product-data-sheets/industry/building-products/MINUSIL5-MillCreek.pdf>

## HPLC CHROMATOGRAM OF DIOSCIN



**Figure S2. HPLC chromatogram analysis of dioscin.** This is provided by Spring & Autumn Biological Engineering Co. Ltd, which demonstrated the purity of dioscin used in the experiment >98%.



**Figure S3. Lymphocytes infiltration in lung tissues were mitigated by dioscin.**

(A) H&E staining: Images were taken to present perivascular and peribronchial cell infiltration. (scale bar: 100 $\mu$ m) (B) T cell were visualized with anti-CD3 antibody (brown) by immunohistochemistry. Nuclei were stained with hematoxylin (blue). (scale bar 100  $\mu$ m) Lung sections of different treated mice for 7 d were used. (C) FACS analysis hilar lymph nodes (HLN) of CD3 positive cells. X axis indicates CD3 positive cells and Y axis indicates cell counts.

**Table S1. Primer sequences for qRT-PCR.**

<i>Mus musculus</i> gene name	Forward 5'-3'	Reverse 5'-3'
<b>GAPDH</b>	AGGTCGGTGTGAACGGATTG	TGTAGACCATGTAGTTGAGGTCA
<b>Fibronectin</b>	GCAGTGACCACCATTCTG	GGTAGCCAGTGAGCTAACAC
<b>COL1A1</b>	GCTCCTCTAGGGGCCACT	CCACGTCTCACCAATTGGGG
<b>Il6</b>	CAACGATGATGCACTTGCAGA	CTCCAGGTAGCTATGGTACTCCAGA
<b>Tnf-<math>\alpha</math></b>	CCCTCACACTCAGATCATCTTCT	GCTACGACGTGGGCTACAG
<b>Il-1<math>\beta</math></b>	GCAACTGTTCTGAACCTCAACT	ATCTTTGGGGTCCGTCAACT
<b>Cd68</b>	TGTCTGATCTGCTAGGACCG	GAGAGTAACGGCCTTTGTGA
<b>T-bet</b>	AGCAAGGACGGCGAATGTT	GGGTGGACATATAAGCGGTT
<b>Ifn-<math>\gamma</math></b>	AAGCGTCATTGAATCACACCTG	TGACCTCAAACCTGGCAATACTC
<b>GATA3</b>	CTCGGCCATTCTGTACATGGAA	GGATACCTCTGCACCGTAGC
<b>Il-4</b>	ACGGAGATGGATGTGCCAAAC	AGCACCTTGAAGCCCTACAGA
<b>Ccl12</b>	ATTCCACACTCTATGCCTCCT	ATCCAGTATGGCCTGAAGATCA
<b>Ccl19</b>	GGGGTGCTAATGATGCGGAA	CCTTAGTGTGGTGAACACAACA
<b>Ccl21</b>	GTGATGGAGGGGTCAGGA	GGGATGGGACAGCCTAAACT
<b>Cxcl12</b>	TGCATCAGTGACGGTAAACCA	TTCTTCAGCCGTGCAACAAATC
<b>Occludin</b>	TTGAAAGTCCACCTCCTTACAG	CCGGATAAAAAGAGTACGCTGG
<b>Cdh1</b>	CAGGTCTCCTCATGGCTTGC	CTTCCGAAAAGAAGGCTGTCC
<b>Sftpc</b>	ATGGACATGAGTAGCAAAGAGG	CACGATGAGAAGGCCTTGAG
<b>Vimentin</b>	CGTCCACACGCACCTACAG	GGGGGATGAGGAATAGAGGCT
<b>Fsp1</b>	TGAGCAACTGGACAGCAAC	TTCCGGGGTTCTTATCTGGG
<b>Tgf-<math>\beta</math></b>	CTCCCGTGGCTTCTAGTGC	GCCTTAGTTGGACAGGATCTG
<b>Foxp3</b>	CCCATCCCCAGGAGTCTG	ACCATGACTAGGGCACTGTA
<b>Il-10</b>	GGGGCCAGTACAGCCGGG	CTGGCTGAAGGCAGTCCGCA