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Supplemental information

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at lipopolysaccharide-induced lung injury

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Figure S1. Hybridoma sequencing, Related to Figure 2. Antibody fragments of VH and VL were amplified according to standard procedures using RACE (GenScript). The following sequences were obtained.

Hybridoma sequencing

Heavy chain: DNA sequence

Leader sequence-FR1-CDR1-FR2-CDR2-FR3-CDR3-FR4

ATGGAATGTAACTGGATACTTCCTTTTATTCTGTCGGTAATTTCAGGGGTCTACTCA
GAGGTTCAGCTCCAGCAGTCTGGGACTGTGCTGGCAAGGCCTGGGGCTTCCGTG
AAGATGTCCTGTAAGGCTTCTGGCTACAGCTTTACCAGCTACTGGATGCACTGGGT
CAAACAGAGGCCTGGACAGGGTCTGGAATGGATTGGTGCTATTTATCCTGGAAATA
GTGATAGTGGCTACAATAAGAAGTTCAAGGGCAAGGCCAAACTGACTGCAGTCAC
TTCCGCCAGCACTGCCTACATGGAGCTCAGCAGCTTGACAAATGAGGACTCTGCG
GTCTATTACTGTTCCCATACAGCCTGGTTTGTTTACTGGGGCCAAGGGACTCTGGT
CACTGTCTCTGCA

Heavy chain: Amino acids sequence

Leader sequence-FR1-CDR1-FR2-CDR2-FR3-CDR3-FR4

MECNWILPFILSVISGVYSEVQLQQSGTVLARPGASVKMSCKASGYSFTSYWMHWVK
QRPGQGLEWIGAIYPGNSDSGYNKKFKGKAKLTAVTSASTAYMELSSLTNEDSAVYYC
SHTAWFVYWGQGTLVTVSA

Light chain 1: DNA sequence

Leader sequence-FR1-CDR1-FR2-CDR2-FR3-CDR3-FR4

ATGATGAGTCCTGCCCAGTTCCTGTTTCTGTTAGTGCTCTGGATTCGGGAAACCAA
CGGTGATGTTGTGATGACCCAGACTCCACTCACTTTGTCGGTTACCATTGGACAAC
CAGCCTCCATCTCTTGCAAGTCAAGTCAGAGCCTCTTAGATAGTGATGGAAGGACA
TATTTGAATTGGTTGTTACAGAGGCCAGGCCAGTCTCCAAAGCGCCTAATCTATCT
GGTGTCTAAACTGGACTCTGGAGTCCCTGACAGGTTCACTGGCAGTGGATCAGGG
ACAGATTTCACACTGAAAATCAGCAGAGTGGAGGCTGAGGATTTGGGAGTTTATTA
TTGCTGGCAAGGTGCACATTTTCCTCAGACGTTCGGTGGAGGCACCAAGCTGGAA
ATCAAA

Light chain 1: Amino acids sequence

Leader sequence-FR1-CDR1-FR2-CDR2-FR3-CDR3-FR4

MMSPAQFLFLLVLWIRETNGDVVMTQTPLTLSVTIGQPASISCKSSQSLLDSDGRTYLN
WLLQRPGQSPKRLIYLVSKLDSGVPDRFTGSGSGTDFTLKISRVEAEDLGVYYCWQG
AHFPQTFGGGTKLEIK

Light chain 2: DNA sequence

Leader sequence-FR1-CDR1-FR2-CDR2-FR3-CDR3-FR4

ATGAGGTTCCAGGTTCAGGTTCTGGGGCTCCTTCTGCTCTGGATATCAGGTGCCC
AGTGTGATGTCCAGATAACCCAGTCTCCATCTTATCTTGCTGCATCTCCTGGAGAA
ACCATTACTTTTAATTGCAGGGCAAGTAAGAGCATTAGCAAATATTTCGCCTGGTAT
CAAGAGAAACCTGGGAAAACTAATAAGCTTCTTATCTACTCTGGATCCACTTTGCAA
TCTGGAATTCCATCAAGGTTCAGTGGCAGTGGATCTGGTACAGATTTCAATCTCAC
CATCAGTAGCCTGGAGCCTGAAGATTTTGCAATGTATTACTGTCAACAGCATAA
TGAATACCCGCTCACGTTCGGTGCTGGGACCAAGCTGGAGCTGAAA

Light chain 2: Amino acids sequence

Leader sequence-FR1-CDR1-FR2-CDR2-FR3-CDR3-FR4

MRFQVQVLGLLLLWISGAQCDVQITQSPSYLAASPGETITFNCRASKSISKYFAWYQEK
PGKTNKLLIYSGSTLQSGIPSRFSGSGSGTDFNLTISSLEPEDFAMYYCQQHNEYPLTF
GAGTKLELK

Figure S2. Long term effects of 1G3E5 in LPS-induced lung inflammation in deer mice, Related to Figure 6. Animals received 3 times consecutively LPS every 3 days and were sacrificed 1 month later. 1G3E5 was administered following the administration of LPS. Microphotographs show representative H&E stained sections of the lungs at which prominent immune cell infiltration is seen in the animals that received LPS alone or combined with non-specific IgG. In the animals that received 1G3E5 the effect of LPS was reduced.

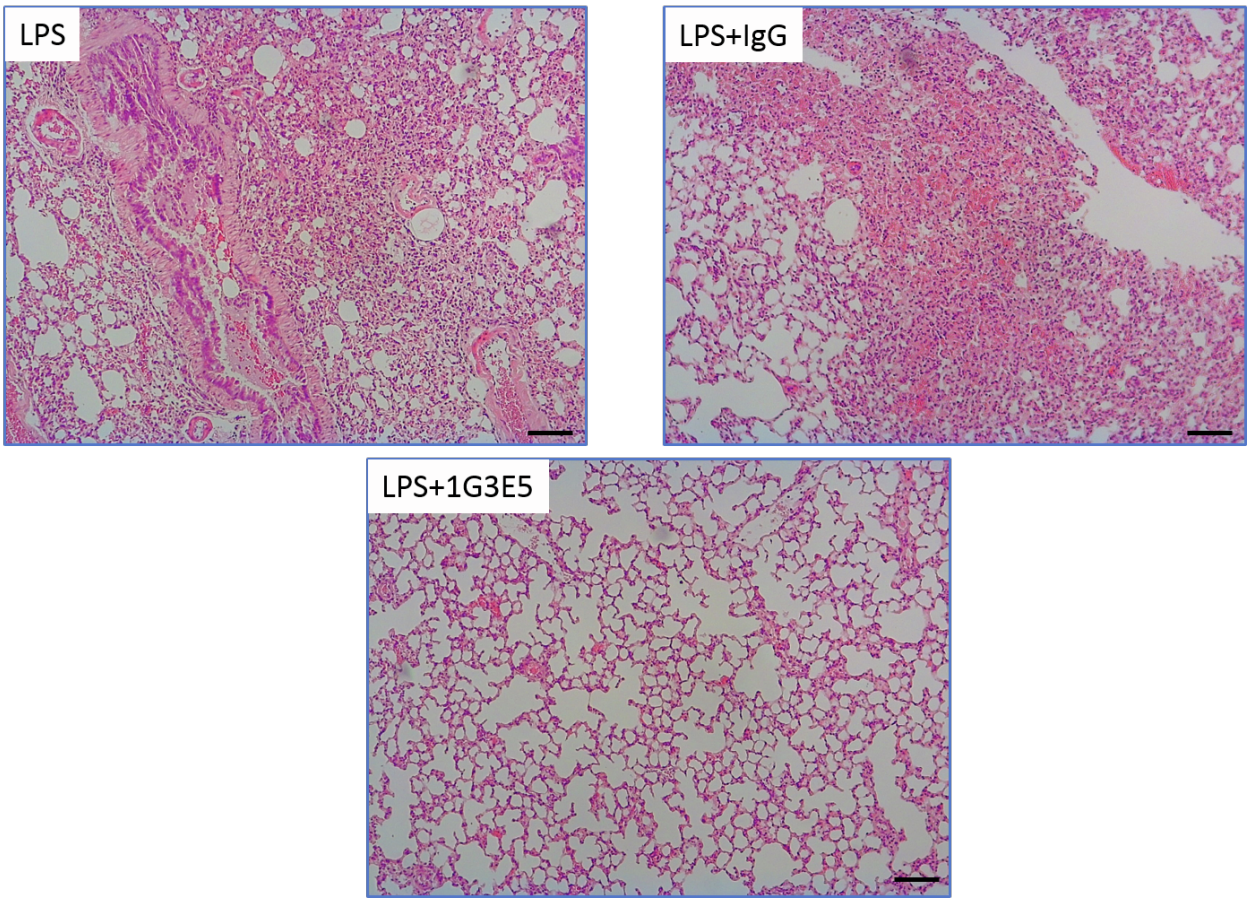

Table S1. qPCR primers, Related to the STAR Methods.

Genes name	Forward	Reverse
Primers for P. maniculatus		
GAPDH	5′-GGAGCCGAGTATGTTGTGGAG-3′	5′-GGAGATGATGACCCGTTTGG-3′
IL1β	5′-CCAGCAGCATTTCAACAAGA-3′	5′-CCACGAGCAGATTTTCATCC-3′
IL6	5′-CACCTCTGGTCTTCTGGACT-3′	5′-CTCTGAAGGGCTCTGGCTTT-3′
TNFα	5′-CTACTTGGGAGGGGTCTTCC-3′	5′-CGGATTCTGCGAAGTCTAGG-3′
CCL8	5′-TTGCCTGCTGCTTTTCTGTA-3′	5′-AGTGACCCACTTCTGCTTGG-3
CCR1	5′-ACCTGGGTCCTAGCCATCTT-3′	5′-CCAAGGAGGTTCAGCTTCAG-3′
CCR2	5′-ACACCCTGTTTCGCTGTAGG-3′	5′-TGATTGGCAACCACACAGTT-3
CCR3	5′-TTCTGTGGACCTCGTTACCC-3′	5′-TTTTATTGGGGCATCTCAGC-3′
CCR5	5′-GGGCTCACTATGCTGCAAAT-3′	5′-CTTGTCATCACCCCAAAGGT-3′
CCR8	5′-GAAGCTGAGGAGCATTACGG-3′	5′-CACATGACAGTCCCGAACAC-3′
Primers for Mus musculus		
GAPDH	5′-ACCCAGAAGACTGTGGATGG-3′	5′-CACATTGGGGGTAGGAACAC-3′
IL1β	5′-GCAACTGTTCCTGAACTCAACT-3′	5′-ATCTTTTGGGGTCCGTCAACT-3′
IL6	5′-TAGTCCTTCCTACCCCAATTTCC-3′	5′-TTGGTCCTTAGCCACTCCTTC-3′
TNFα	5′-CAGGCGGTGCCTATGTCTC-3′	5′-CGATCACCCCGAAGTTCAGTAG-3′