

SUPPLEMENTAL MATERIAL

Lee et al., <http://www.jem.org/cgi/content/full/jem.20080462/DC1>

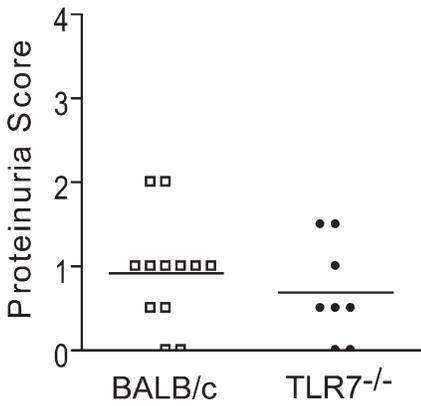


Figure S1. Comparison of proteinuria in wild-type BALB/c (*n* = 12) and BALB/c.TLR7^{-/-} mice (*n* = 8) 24 wk after TMPD injection. Scores indicate no proteinuria (0), 30 mg/dl (1), 100 mg/dl (2), 300 mg/dl (3), or 2,000 mg/dl (4). Horizontal lines indicate medians.

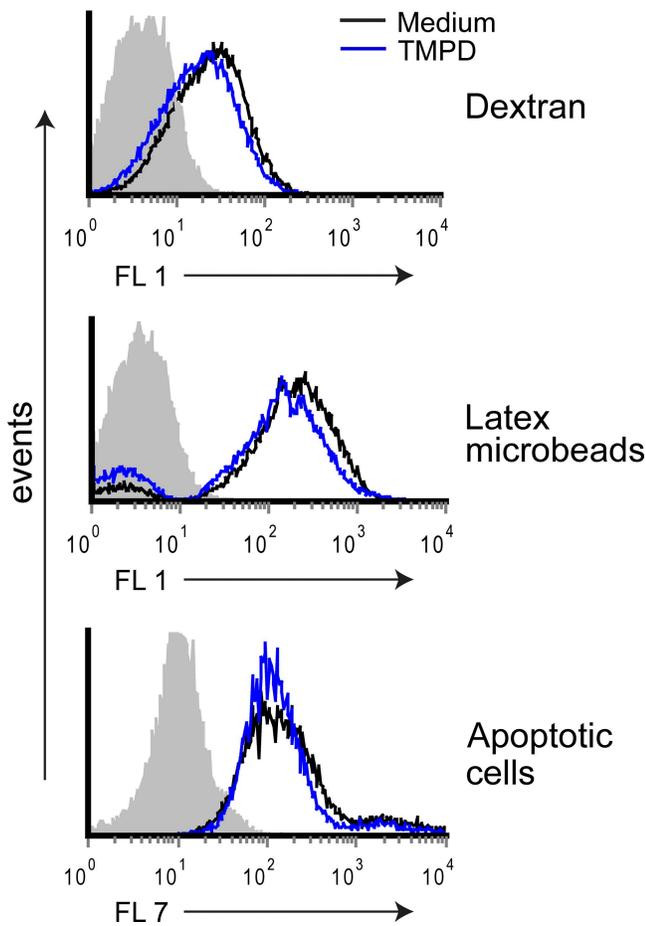


Figure S2. Quantification of endocytosis (FITC-dextran) and phagocytosis (FITC-labeled microbeads and DiD-labeled apoptotic cells) in J774 cells treated with or without TMPD. The shaded curves represent the staining of cells before the addition of fluorescent substrates. Data are representative of three independent experiments.

Table S1. Cytokine and chemokine PCR array analysis in TLR7^{-/-} mice

Reference sequence	Gene	Description	Fold difference ^a
NM_011331	<i>Ccl12</i>	Chemokine (C-C motif) ligand 12	-33.9362
NM_013654	<i>Ccl7</i>	Chemokine (C-C motif) ligand 7	-28.4818
NM_011333	<i>Ccl2</i>	Chemokine (C-C motif) ligand 2	-24.7422
NM_021274	<i>Cxcl10</i>	Chemokine (C-X-C motif) ligand 10	-16.2245
NM_008599	<i>Cxcl9</i>	Chemokine (C-X-C motif) ligand 9	-6.08813
NM_013653	<i>Ccl5</i>	Chemokine (C-C motif) ligand 5	-5.58203
NM_011329	<i>Ccl1</i>	Chemokine (C-C motif) ligand 1	-5.45568
NM_008337	<i>Ifng</i>	IFN- γ	-5.01697
NM_013652	<i>Ccl4</i>	Chemokine (C-C motif) ligand 4	-1.53374
NM_021443	<i>Ccl8</i>	Chemokine (C-C motif) ligand 8	-1.40583
NM_010735	<i>Lta</i>	Lymphotoxin A	-1.05032
NM_007768	<i>Crp</i>	C-reactive protein, pentraxin related	-0.98869
NM_019932	<i>Cxcl4</i>	Chemokine (C-X-C motif) ligand 4	-0.62988
NM_021704	<i>Cxcl12</i>	Chemokine (C-X-C motif) ligand 12	-0.3878
NM_019494	<i>Cxcl11</i>	Chemokine (C-X-C motif) ligand 11	-0.38105
NM_011337	<i>Ccl3</i>	Chemokine (C-C motif) ligand 3	-0.3689
NM_011332	<i>Ccl17</i>	Chemokine (C-C motif) ligand 17	-0.18197
NM_010554	<i>Il1a</i>	IL-1 α	-0.13888
NM_010798	<i>Mif</i>	Macrophage migration inhibitory factor	-0.07331
NM_011330	<i>Ccl11</i>	Small chemokine (C-C motif) ligand 11	-0.0577
NM_009142	<i>Cx3cl1</i>	Chemokine (C-X3-C motif) ligand 1	-0.04255
NM_011338	<i>Ccl9</i>	Chemokine (C-C motif) ligand 9	0.209733
NM_011577	<i>Tgfb1</i>	TGF- β 1	0.255246
NM_021283	<i>Il4</i>	IL-4	0.375313
NM_009139	<i>Ccl6</i>	Chemokine (C-C motif) ligand 6	0.376835
NM_010548	<i>Il10</i>	IL-10	0.385754
NM_011888	<i>Ccl19</i>	Chemokine (C-C motif) ligand 19	0.770252
NM_018866	<i>Cxcl13</i>	Chemokine (C-X-C motif) ligand 13	1.524727
NM_008518	<i>Ltb</i>	Lymphotoxin B	2.057481
NM_013693	<i>Tnf</i>	TNF	2.238394
NM_008176	<i>Cxcl1</i>	Chemokine (C-X-C motif) ligand 1	2.893923
NM_016960	<i>Ccl20</i>	Chemokine (C-C motif) ligand 20	3.457557
NM_008361	<i>Il1b</i>	IL-1 β	3.74199
NM_019577	<i>Ccl24</i>	Chemokine (C-C motif) ligand 24	4.259322
NM_009138	<i>Ccl25</i>	Chemokine (C-C motif) ligand 25	8.293495
NM_009141	<i>Cxcl5</i>	Chemokine (C-X-C motif) ligand 5	15.13422

Reference sequences are available from GenBank/EMBL/DDBJ under the accession nos. shown.

^aFold difference indicates the mean expression difference between TLR7^{-/-} and wild-type mice ($n = 2$ per group). Positive values indicate increased expression in wild-type mice, negative values represent increased expression in TLR7^{-/-} mice, and zero indicates identical expression levels.

Table S2. SYBR green real-time PCR primers

Gene	Forward (5' to 3')	Reverse (5' to 3')
<i>Mx-1</i>	GATCCGACTTCACTTCCAGATGG	CATCTCAGTGGTAGTCAACCC
<i>IRF7</i>	TGCTGTTGGAGACTGGCTAT	TCCAAGCTCCCGGCTAAGT
<i>CCR2</i>	CTGCCTGCAAAGACCAGAAG	TATGCCGTGGATGAACTGAG
<i>TLR3</i>	TCCGCCCTCTTCGTAACCTG	TTGGCGGCTGGTAATCTTCT
<i>TLR4</i>	GAGGCAGCAGGTGGAATTGT	TGCTCAGGATTCGAGGCTTT
<i>TLR7</i>	GGCTGAACCATCTGGAAGAA	TAAGCTGGATGGCAGATCCT
<i>TLR9</i>	TGCTTTGGCCTTCACTCTT	AACTGCGCTCTGTGCCTTAT
<i>18S RNA</i>	CGGCTACCACATCCAAGGAA	GCTGGAATTACCGCGGCT