Supplementary Table S1. RT-qPCR Primers

Human Genes

Gene*	Product Size (bp)	Forward Sequence	Reverse Sequence
AITRL	158	5’-AGCCATTCAAGAACTCAAGGAG-3’	5’-GGTCCAAACTTAGCCATACAGG-3’
ANG2	73	5’-TCTTGGCCGCAGCCTATAAC-3’	5’-TGCTGGACCTGATATTGCTTCT-3’
APRIL	168	5’-CTCTGCTGACCCAACAAACAG-3’	5’-TTTTCCGGGATCTCTCCCCAT-3’
BAFF	79	5’-GGGAGCAGTCACGCCTTAC-3’	5’-CGTGGGAGGATGGAAACACAC-3’
CCL2	152	5’-GATCTCAGTGCAGAGGCTCG-3’	5’-TGCTTGTCCAGGTGGTCCAT-3’
CCL20	224	5’-TGCTGTACCAAGAGTTTGCTC-3’	5’-CGCACACAGACAACTTTTTCTTT-3’
CSF1	228	5’-GCTCTCCCAGGATCTCATCAC-3’	5’-TCAAAGGAACGGAGTTAAAACGG-3
CXCL1	97	5’-GAAAGCTTGCCTCAATCCTG-3’	5’-CTTCCTCCTCCCTTCTGGTC-3’
CXCL2	103	5’-GGGCAGAAAGCTTGTCTCAA-3’	5’-GCTTCCTCCTTCCTTCTGGT-3’
IL1B	100	5’-CAGCTACGAATCTCCGACCAC-3’	5’-GGCAGGGAACCAGCATCTTC-3’
IL4	150	5’-CCAACTGCTTCCCCCTCTG-3’	5’-TCTGTTACGGTCAACTCGGTG-3’
IL6	159	5’-AACCTGAACCTTCCAAAGATGG-3’	5’ TCTGGCTTGTTCCTCACTACT-3’
IL8	194	5’-TTTTGCCAAGGAGTGCTAAAGA-3’	5’–AACCCTCTGCACCCAGTTTTC-3’
IL10	176	5’-TCAAGGCGCATGTGAACTCC-3’	5’-GATGTCAAACTCACTCATGGCT-3’
IL13	122	5'-GAAGGCTCCGCTCTGCAAT-3'	5'-TCTGGGTCTTCTCGATGGCA-3'
TGF-β	251	5'-ACGGCGTTACAGTGTTTCTG-3'	5'-ACAGTAGTTGGAAGTTCTAT-3'
TNF-α	217	5’-ATGAGCACTGAAAGCATGATCC-3’	5’-GAGGGCTGATTAGAGAGAGGTC-3’
VEGFA	117	5’-ATCACGAAGTGGTGAAGTTC-3’	5’-TGCTGTAGGAAGCTCATCTC-3’
β-actin	131	5’-TCCTCTCCCAAGTCCACACAGG-3’	5’-GGGCACGAAGGCTCATCATTC-3’

Mouse Genes

Gene*	Product Size (bp)	Forward Sequence	Reverse Sequence
AITRL	131	5'-ATGTCTTTCTAACCTTGATC-3'	5'-AGAGTTTGGAGGGATTAAGG-3'
Ang 2	68	5'-TGGTACTACTGGAAGGGGTCCG-3'	5'-GAAATCTGCTGGCCGGATCA-3'
APRIL	109	5'-AGTCCTGCATCTTGTTCCAG-3'	5'-TGTCCTTCCCGAGATACCAC-3'
BAFF	129	5'-TGGGTCATGTCATCCAGAGG-3'	5'-CATCTCCTTCTTCCAGCCTC-3'
CCL2	91	5'-CCACTCACCTGCTGCTACTC-3'	5'-GGTTCCGATCCAGGTTTTTA-3'
CCL20	179	5'-AGGCAGAAGCAAGCAACTAC-3'	5'-TTTTCACCCAGTTCTGCTTT-3'
CSF1	149	5'-ACAGAGGACCAAAAGCCAGT-3'	5'-ACGGGGGTGGCTGAGTTGCT-3'
CXCL1	168	5'-GCTGGGATTCACCTCAAGAA-3'	5'-TGGGGACACCTTTTAGCATC-3'
CXCL2	175	5'-AGGCTACAGGGGCTGTTGT-3'	5'-TTCAGGGTCAAGGCAAACTT-3'
IL1B	89	5'-CAGCTACGAATCTCCGACCAC-3'	5'-GGCAGGGAACCAGCATCTTC-3'
IL4	169	5'-AGTTGTCATCCTGCTCTTCT-3'	5'-CTGTGGTGTTCTTCGTTGCT-3'
IL6	76	5'-TAGTCCTTCCTACCCCAATTTCC-3'	5'-TTGGTCCTTAGCCACTCCTTC-3'
IL10	149	5'-TGCAGTGTGTATTGAGTCTG-3'	5'-GCTCAGTGAATAAATAGAAT-3'
IL13	179	5'-GTCTCTCCCTCTGACCCTTA-3'	5'-CTCTGGGTCCTGTAGATGGC-3'
TGF-β	133	5'-CTCCCGTGGCTTCTAGTGC-3'	5'-GCCTTAGTTTGGACAGGATCTG-3'
TNF-α	61	5'-CCCTCACACTCAGATCATCTTCT-3'	5'-GCTACGACGTGGGCTACAG-3'
VEGFA	105	GCACATAGAGAGAATGAGCTTCC	5'-CTCCGCTCTGAACAAGGCT-3'
β-actin	153	5'-GGCTGTATTCCCCTCCATCG-3'	5'-CCAGTTGGTAACAATGCCATGT-3'

*Primers were designed based on human or mouse CDS of targets found in NCBI database. All primers were validated using human and mouse universal cDNA. Primers were confirmed to exclusively detect species-specific cDNA.

Supplementary Table S2. Effect of TLR4 on incidence and metastatic burden in nab-PXL treated and untreated mice

						P-Value	
Organ	**TLR4 Status**	**Treatment[a]**	**Incidence**	**Burden[b]**	**Fold Change[c]**	**TLR4- vs. TLR4+**	**Untreated vs. Treated**
MDA-MB-231 Model							
Lymph Nodes	TLR4+	---	100	344.7 ± 92.6	--	---	---
	TLR4+	nab-PXL	100	139.1 ± 96.3	2.5↓	---	NS[d]
Lungs	TLR4+	---	100	23.5 ± 11.3	--	---	---
	TLR4+	nab-PXL	100	11.3 ± 3.8	2.1↓	---	NS
Lymph Nodes	TLR4-	---	100	222.8 ± 100.6	--	NS	
	TLR4-	nab-PXL	20	50.0[e]	4.4↓	NS	
Lungs	TLR4-	---	80	2.7 ± 0.9	--	0.03	---
	TLR4-	nab-PXL	20	0.6	4.5↓	0.003	0.04
HCC1806 Model							
Lymph Nodes	TLR4-	---	50	19.5 ± 11.4	--	---	---
	TLR4-	nab-PXL	20	2.1 ± 1.7	9.3↓	---	NS
Lungs	TLR4-	---	10	0.2	--	---	---
	TLR4-	nab-PXL	30	1.1 ± 1.0	**5.5↑**	---	NS
Lymph Nodes	TLR4+	---	50	5.4 ± 2.4	--	NS	---
	TLR4+	nab-PXL	90	1325.5 ± 649.3	**245.3↑**	0.008	0.002
Lungs	TLR4+	---	40	0.1 ± 0.08	--	NS	---
	TLR4+	nab-PXL	90	1.2 ± 0.3	**12.0↑**	0.01	0.004

[a] Mice were treated with nab-PXL at the dose of 10 mg/kg for 10 days

[b] Expressed as RLU/mg of total protein x10^4± SEM

[c] Fold decrease (↓) or increase (↑) as compared with untreated controls; increases are bolded

[d] NS, non-significant

[e] The values without SEM indicate a single positive animal per group