

Gomisin M2 ameliorates atopic dermatitis-like skin lesions via inhibition of STAT1 and NF- κ B activation in 2, 4-dinitrochlorobenzene/*Dermatophagoides farinae* extract-induced BALB/c mice

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Table S1. Primer pair sequences used for qPCR, and the antibodies used for Western blot analysis.

Human			
Gene	F (5'→3')	R (5'→3')	Accession numbers
CCL22	AGG ACA GAG CAT GGA TCG CCT ACA	TAA TGG CAG GGA GGT AGG GCT CCT	NM_002990.5
CXCL8	GGT GCA GTT TTG CCA AGG AG	TGC TTG AAG TTT CAC TGG CAT C	NM_000584.4
IL-1 β	GCT GAT GGC CCT AAA CAG ATG AA	TGA AGC CCT TGC TGT AGT GGT G	NM_000576.3
IL-6	AAA GAG GCA CTG GCA GAA AA	ATC TGA GGT GCC CAT GCT AC	NM_000600.5
GAPDH	CGA CCA CTT TGT CAA GCT CA	AGG GGA GAT TCA GTG TGG TG	NM_001357943.2
Mouse			
Gene	F (5'→3')	R (5'→3')	Accession numbers
TGF- β	TGA TAC GCC TGA GTG GCT GTC T	CAC AAG AGC AGT GAG CGC TGA A	NM_011577.2
IFN- γ	TCA AGT GGC ATA GAT GTG GAA GAA	TGG CTC TGC AGG ATT TTC ATG	NM_008337.4
IL-1 β	ATA ACC TGC TGG TGT GTG AC	AGG TGC TGATGT ACC AGT TG	NM_008361.4
IL-4	TCG GCA TTT TGA ACG AGG TC	GAA AAG CCC GAA AGA GTC TC	NM_021283.2
IL-5	GAA GTG TGG CGA GGA GAG AC	GCA CAG TTT TGT GGG GTT TT	NM_010558.1
IL-6	TCC AGT TGC CTT CTT GGG AC	GGT CTG TTG GGA GTG GTA TC	NM_001314054.1
IL-12a	GAT GAC ATG GTG AAG ACG GC	AGG CAC AGG GTC ATC ATC AA	NM_001159424.2
IL-17A	TTT AAC TCC CTT GGC GCA AAA	CTT TCC CTC CGC ATT GAC AC	NM_010552.3
TSLP	CTC CCC TGC ACA CAC CTT AC	TCA GAC CAC CTC ATC ATG GC	NM_021367.2
β -actin	ACC CTA AGG CCA ACC GTG AA	ATG GCG TGA GGG AGA GCA TAG	NM_007393.5

IL, Interleukin; CCL, Chemokine (C-C motif) ligand; IFN, Interferon; GAPDH,

Glyceraldehyde-3-phosphate dehydrogenase; CCR, C-C chemokine receptor; CXCL, C-

X-C motif chemokine; TSLP, Thymic stromal lymphopoietin.

Target protein	Supplier	Cat#	Size (kDa)	Host	Dilution
CD4	Abcam, MA, USA	Ab25804	50, 54	Mouse	1:1000
CD44	Cell Signaling, MA, USA	#5640	81	Mouse	1:1000
I κ B α	Cell Signaling, MA, USA	#9242	39	Rabbit	1:1000
β -actin (C4)	Santa cruz, Germany	SC-47778	43	Mouse	1:4000
NF- κ B p65	Abcam, MA, USA	ab16502	64	Rabbit	1:1000
Lamin B1	Santa cruz, Germany	SC365962	67	Mouse	1:2000
phospho-STAT1 ^{Tyr701}	Cell Signaling, MA, USA	#9167	84, 91	Rabbit	1:2000
STAT1	Cell Signaling, MA, USA	#9172	84, 91	Rabbit	1:2000