

The standardized fraction of *Turbinaria ornata* alleviates dextran sulfate sodium-induced chronic colitis in C57BL/6 mice via upregulation of Foxp3+ T cell response

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S1. Inhibitory activities of fractions M1~M4 of *T. ornata* extract on nitric oxide and inflammatory cytokines in LPS-activated RAW264.7 cells.

Fractions	Conc. (ug/ml)	Relative % of control			
		Nitric Oxide	IL-1 β	IL-10	IL-6
M1	20	97.1	99.8	85.5	89.5
M2	20	27.2	99.9	1.10	56.7
M3	20	44.3	88.3	1.12	102.4
M4	20	95.5	98.8	90.0	99.5

S2. Primer sequences for RT-qPCR

TNF- α ; 5'-tatggctcagggccaactc-3', 5'-ctcccttgcaactcagg-3',
IL-17; 5'-ttcagggcgcagaagatgct-3', 5'-aaactgggggttcttagg-3',
IL-10; 5'-ccaggagatccttgatga-3', 5'-aactggccacagtttcagg-3',
IL-4; 5'-ggctcaacccccagctagt-3', 5'-gccgatgatctctcaagtgat-3',
IL-6; 5'-gttctctgggaaatcgtgga-3', 5'-tgtactccaggtagcta-3',
IFN- γ ; 5'-gcgctattgaatcacacctg-3', 5'-tgagctcattgaatgcttg-3',
CD3; 5'-atcactctgggcttgctgat-3', 5'-tagtctgggttgggaacagg-3',
Foxp3; 5'-tcttccaagctggaagact-3', 5'-ggggttcaaggaagaagg-3',
ROR γ t; 5'-gggatccactacgggttat-3', 5'-gtgcaggagtaggccacatt-3',
GATA3; 5'-gtcatccctgagccacatct-3', 5'-agggctctgcctcttaacc-3',
T-bet; 5'-cctggaccaactgtcaact-3', 5'-aactgtgtcccagggtgc-3',
GAPDH; 5'-aactttggcattgtggaagg-3', 5'-ggatgcagggatgatgttct-3'