**Additional file.**

 “Anti-HIV, Antitumor and Immunomodulatory Activities of Paclitaxel from Fermentation Broth Using Molecular Imprinting Technique”

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Table S1 Primers for real-time quantitative PCR

|  |  |  |
| --- | --- | --- |
| Gene | Primers | Products |
| IL-2 | upstream:  | 5’-TGAACTTGGACCTCTGCG-3’ | 220bp |
| downstream: | 5’-AGGGCTTGTTGAGATGATGC-3’ |
| IL-4 | upstream:  | 5’-TCCTGCTCTTCTTTCTCG-3’ | 537bp |
| downstream: | 5’-ATGCTCTTTAGGCTTTCC-3’ |
| IL-6 | upstream:  | 5’-TTCTTGGGACTGATGCTG-3’ | 380bp |
| downstream: | 5’-CTGGCTTTGTCTTTCTTGTT-3’ |
| IL-10 | upstream:  | 5’-ACCAAAGCCACAAAGCAG-3’ | 249bp |
| downstream: | 5’-GGAGTCGGTTAGCAGTATG-3’ |
| IFN-γ | upstream:  | 5’-TGAGACAATGAACGCTAC-3’ | 142bp |
| downstream: | 5’-TTCCACATCTATGCCACT-3’ |
| TNF-α | upstream:  | 5’-CTGTGAAGGGAATGGGTGTT-3’ | 384bp |
| downstream: | 5’-CAGGGAAGAATCTGGAAAGGTC-3’ |
| GAPDH | upstream:  | 5’-TCAACGGCACAGTCAAGG-3’ | 470bp |
| downstream: | 5’-ACCAGTGGATGCAGGGAT-3’ |

Table S2 Systems for real-time quantitative PCR

|  |  |
| --- | --- |
| composition | volume |
| cDNA | 2.0 μL |
| Up primer | 0.8 μL |
| Down primer | 0.8 μL |
| ROX Reference Dye | 0.4 μL |
| SYBR Premix Ex Taq Ⅱ(2×)  | 10.0 μL |
| ddH2O | 6.0 μL |