

Supplementary table

**Table S1. Gene information.**

No.	Gene	Gene Symbol	Accession No. (species)
1	<i>IL-4</i>	Il4	NM_021283.2 ( <i>Mus musculus</i> )
2	<i>IL-5</i>	Il5	NM_010558.1 ( <i>Mus musculus</i> )
3	<i>IL-13</i>	Il13	NM_008355.3 ( <i>Mus musculus</i> )
4	<i>IL-10</i>	Il10	NM_010548.2 ( <i>Mus musculus</i> )
5	<i>TGF-β1</i>	Tgfb1	NM_011577.2 ( <i>Mus musculus</i> )
6	<i>IL-23</i>	Il23a	NM_031252.2 ( <i>Mus musculus</i> )
7	<i>IL-31</i>	Il31	NM_029594.1 ( <i>Mus musculus</i> )
8	<i>IFN-γ</i>	Ifng	NM_008337.4 ( <i>Mus musculus</i> )
9	<i>IL-12</i>	Il12a	NM_008351.3 ( <i>Mus musculus</i> )
10	<i>Actb</i>	Actb	NM_007393.5 ( <i>Mus musculus</i> )
			Reference gene

**Table S2. Comparison of ear skin thickness, mast cell counts of ear skin, small intestine and spleen weight.**

	Control	OVA	OVA+MSC	OVA+MSC CM
Ear skin thickness (μM)	264.03±10.74	356.13±48.39	346.96±28.20	313.20±26.53*
Mast cell counts of ear skin (Cells/HPF)	3.17±1.94	9.00±3.81	6.00±5.34	5.33±2.61
Mast cell counts of small intestine (Cells/HPF)	1.30±1.20	6.00±1.28	3.90±1.90	3.5±2.30
Spleen weight (g)	0.26±0.03	0.39±0.05	0.31±0.04	0.33±0.04

Mean±SD. \* : P < 0.05 versus G2. Cells/HPF, mast cells per high power field (x400)  
 MSC, mesenchymal stem cell; MSC CM, mesenchymal stem cell culture medium; OVA, Ovalbumin