

Supplemental Table I. Expression of cytokines, chemokines, and other marker genes characteristic of the indicated cell types in the lungs of unsensitized mice and mice sensitized with HDM for 3 or 5 weeks ^a.

Cell type	Gene symbol	No HDM		HDM													
		<i>Pglyrp1</i> ^{-/-} / WT ^b		WT HDM / WT PBS ^c				<i>Pglyrp1</i> ^{-/-} HDM / <i>Pglyrp1</i> ^{-/-} PBS ^c				<i>Pglyrp1</i> ^{-/-} HDM / WT HDM ^d				<i>p</i> ^e	
		0 wks	SEM	3 wks	SEM	5 wks	SEM	3 wks	SEM	5 wks	SEM	3 wks	SEM	5 wks	SEM	3 wks	5 wks
Th1	<i>Il2</i>	-1.51	0.10	-2.35	0.09	2.16	0.20	1.05	0.06	1.63	0.06	2.46	0.13	-1.26	0.15	0.000	0.069
	<i>Ifng</i>	-1.18	0.10	-1.37	0.08	2.82	0.08	1.37	0.15	2.02	0.15	1.87	0.20	-1.40	0.06	0.000	0.005
	<i>Cxcl9</i>	-1.07	0.03	3.34	0.12	3.19	0.33	9.65	1.15	5.25	1.15	2.89	0.34	1.65	0.17	0.002	0.016
	<i>Cxcl10</i>	-1.06	0.02	2.39	0.10	2.35	0.10	4.32	0.14	2.69	0.14	1.81	0.06	1.14	0.08	0.000	0.090
Th2	<i>Il4</i>	-1.30	0.04	4.48	0.15	5.41	0.33	3.14	0.24	2.50	0.24	-1.43	0.11	-2.16	0.13	0.003	0.001
	<i>Il13</i>	1.32	0.08	12.63	0.70	14.60	1.16	2.49	0.19	7.59	0.19	-5.07	0.38	-1.92	0.04	0.000	0.001
	<i>Il33</i>	-1.10	0.05	1.85	0.13	3.23	0.22	1.22	0.12	1.69	0.12	-1.52	0.16	-1.91	0.12	0.016	0.003
	<i>Tnfrsf4</i>	-1.10	0.05	1.47	0.10	1.94	0.20	1.20	0.13	1.39	0.13	-1.23	0.14	-1.39	0.18	0.197	0.037
Th17	<i>Cxcl1</i>	-1.18	0.05	9.80	0.51	12.11	1.29	6.36	0.43	6.25	0.43	-1.54	0.11	-1.94	0.03	0.004	0.003
	<i>Cxcl2</i>	-1.24	0.03	5.99	0.58	7.08	0.46	6.19	0.16	4.40	0.16	1.03	0.69	-1.61	0.08	0.356	0.002
	<i>Cxcl5</i>	-1.20	0.06	86.15	6.85	109.51	4.50	27.58	2.94	47.72	2.94	-3.12	0.37	-2.29	0.17	0.000	0.000
	<i>Il17a</i>	1.02	0.06	24.84	1.77	30.56	1.36	13.49	1.48	17.92	1.48	-1.84	0.21	-1.71	0.11	0.004	0.001
	<i>Il21</i>	1.04	0.07	24.20	1.80	26.75	0.81	8.62	0.77	10.39	0.77	-2.81	0.26	-2.57	0.29	0.000	0.000
	<i>Il22</i>	-1.50	0.09	-1.81	0.07	2.82	0.27	-1.96	0.12	2.32	0.12	-1.08	0.94	-1.21	0.06	0.341	0.064
	<i>Il23a</i>	-1.20	0.10	2.44	0.12	6.38	0.10	2.33	0.08	3.09	0.08	-1.05	0.70	-2.07	0.13	0.394	0.000
	<i>Tgfb1</i>	1.09	0.02	-1.29	0.06	1.19	0.07	-1.40	0.06	-1.01	0.06	-1.09	0.75	-1.19	0.09	0.199	0.066
	<i>Rorgt</i>	-1.35	0.07	2.82	0.10	5.83	0.09	3.72	0.17	2.57	0.17	1.32	0.06	-2.27	0.11	0.003	0.000
	Treg	<i>Ccl1</i>	-1.05	0.03	2.72	0.14	5.72	0.13	4.57	0.16	8.36	0.16	1.68	0.06	1.46	0.10	0.000
<i>Ccl17</i>		-1.48	0.05	4.99	0.44	5.78	0.39	9.09	0.78	16.99	0.78	1.82	0.16	2.94	0.19	0.005	0.001
<i>Ccl27a</i>		-1.29	0.06	-1.47	0.07	-2.10	0.05	1.41	0.12	-1.05	0.12	2.08	0.17	2.00	0.17	0.000	0.000
<i>Foxp3</i>		-1.25	0.05	1.00	0.02	1.38	0.02	1.89	0.13	2.45	0.13	1.88	0.12	1.78	0.07	0.001	0.001
<i>Il10</i>		-1.19	0.05	2.19	0.05	3.40	0.16	3.67	0.23	5.67	0.23	1.68	0.10	1.67	0.15	0.002	0.006
Macrophages	<i>Arg1</i>	-1.07	0.03	11.72	0.48	13.27	0.98	4.10	0.10	4.69	0.10	-2.86	0.07	-2.83	0.19	0.000	0.001
	<i>Chi3l1</i>	-1.19	0.06	2.83	0.14	3.20	0.33	2.83	0.12	2.56	0.12	-1.00	0.70	-1.25	0.06	0.458	0.065
	<i>Chi3l3</i>	-1.18	0.09	2.50	0.10	31.48	2.51	4.22	0.20	17.54	0.20	1.69	0.08	-1.80	0.18	0.000	0.004
	<i>Fizz1</i>	-1.89	0.04	51.51	2.00	78.17	5.90	28.03	2.28	73.71	2.28	-1.84	0.15	-1.06	0.04	0.001	0.179
	<i>Mrc1</i>	-1.40	0.08	1.22	0.21	1.71	0.21	1.12	0.11	1.24	0.11	-1.09	0.77	-1.38	0.05	0.091	0.014
	<i>Nos2</i>	-2.13	0.10	-1.26	0.06	-1.66	0.03	-1.63	0.04	-1.63	0.04	-1.29	0.08	1.02	0.73	0.097	0.468
cDC	<i>Cd273</i>	-1.86	0.04	4.35	0.16	11.90	1.17	3.11	0.25	7.95	0.25	-1.40	0.11	-1.50	0.14	0.004	0.013
	<i>Cd274</i>	-1.13	0.06	1.21	0.03	1.56	0.06	1.27	0.08	1.50	0.08	1.05	0.73	-1.04	0.78	0.474	0.430
	<i>Tnfrsf4</i>	-1.25	0.07	3.03	0.23	5.56	0.70	1.53	0.11	2.46	0.11	-1.98	0.16	-2.26	0.15	0.005	0.006
pDC	<i>Aldh1a1</i>	1.53	0.07	1.75	0.09	1.14	0.02	1.91	0.15	2.07	0.15	1.09	0.74	1.81	0.18	0.166	0.004
	<i>Aldh1a2</i>	-1.21	0.01	-1.08	0.03	-1.98	0.03	1.84	0.14	2.01	0.14	1.98	0.15	3.98	0.27	0.000	0.000
	<i>Ido1</i>	1.08	0.05	1.26	0.05	-1.66	0.15	2.36	0.12	2.21	0.12	1.88	0.09	3.66	0.24	0.000	0.000
Eosinophils	<i>Ccl7</i>	-1.42	0.07	3.48	0.11	3.65	0.04	1.78	0.11	2.67	0.11	-1.95	0.12	-1.36	0.03	0.000	0.002
	<i>Ccl11</i>	-1.06	0.05	7.39	0.18	8.03	0.52	4.62	0.13	5.34	0.13	-1.60	0.05	-1.50	0.07	0.000	0.004
	<i>Ccl24</i>	-1.19	0.05	1.63	0.18	2.51	0.15	1.25	0.13	1.56	0.13	-1.30	0.14	-1.61	0.07	0.080	0.003
Goblet cells	<i>Cilca3</i>	-1.19	0.06	866.92	37.89	857.87	40.09	465.87	35.53	679.90	35.53	-1.86	0.15	-1.26	0.85	0.001	0.060
	<i>Muc5ac</i>	-1.04	0.01	52.01	4.78	71.83	9.53	35.43	2.82	45.17	2.82	-1.47	0.12	-1.59	0.09	0.018	0.027
PMN + other	<i>Pglyrp1</i>	<-100	0.00	11.85	1.13	9.82	0.73	0.00	0.00	0.00	0.00	<-100	0.00	<-100	0.00	0.000	0.000

^a The results are means of 3 experiments with RNA from 4–5 mice/group in each experiment measured by qRT-PCR and presented as heat-maps in Fig. 6.

The qRT-PCR data have been deposited in NCBI GEO at <http://www.ncbi.nlm.nih.gov/geo/>, accession number GSE43137.

^b Ratios of the amount of mRNA in unsensitized *Pglyrp1*^{-/-} to WT mice; ratios of <1 were converted to negative fold difference using the formula: (-1)/ratio.

^c Ratios of the amount of mRNA in HDM-sensitized to unsensitized mice; ratios of <1 were converted to negative fold difference using the formula: (-1)/ratio.

^d Ratios of fold induction by HDM in *Pglyrp1*^{-/-} mice to fold induction by HDM in WT mice (*Pglyrp1*^{-/-} HDM/PBS / WT HDM/PBS); ratios of <1 were converted to negative fold difference using the formula: (-1)/ratio; significantly higher ratios are in red and significantly lower ratios are in blue ($p < 0.05$, *t*-test).

^e The significance of differences in gene activation between *Pglyrp1*^{-/-} and WT mice determined by the two-sample one-tailed *t*-test.