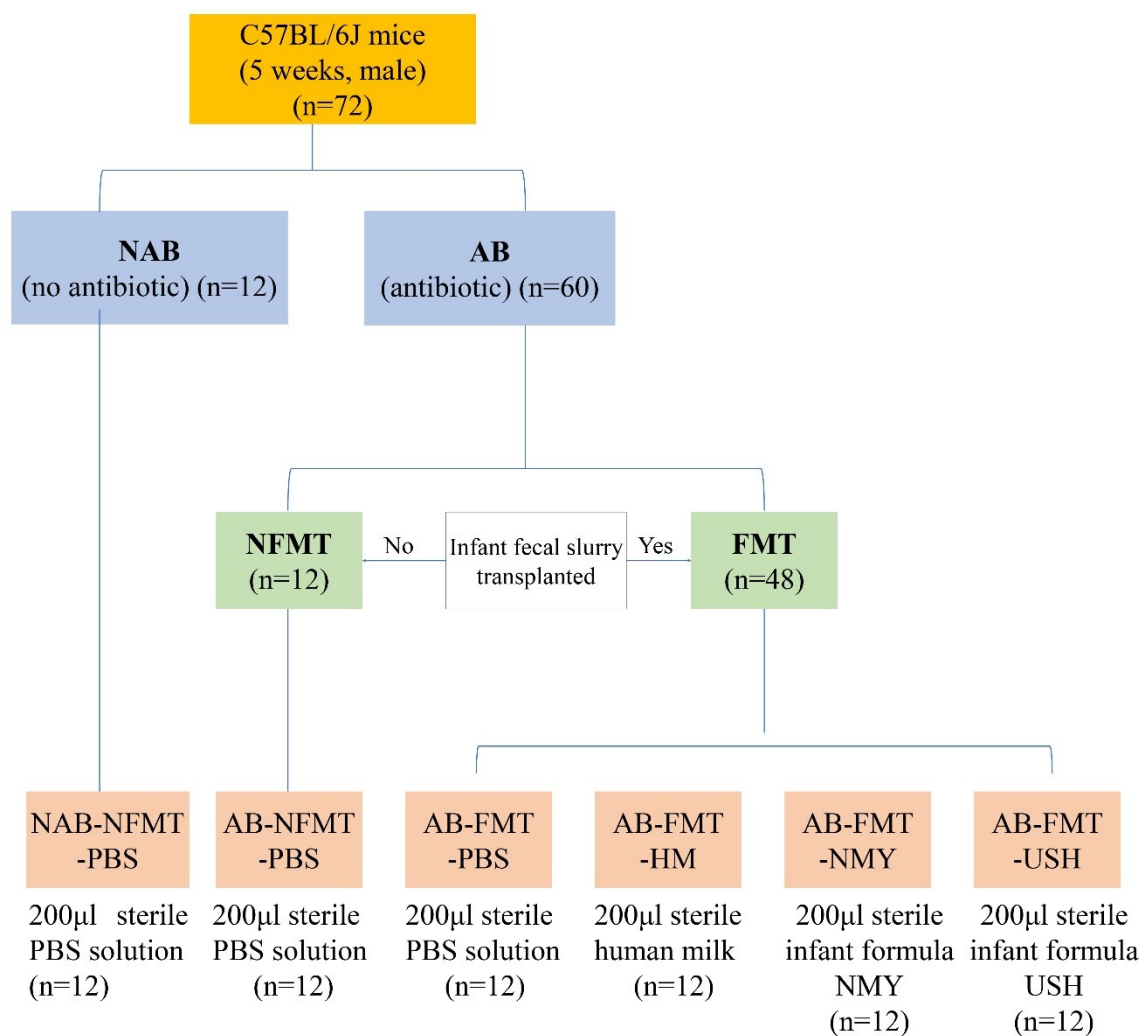
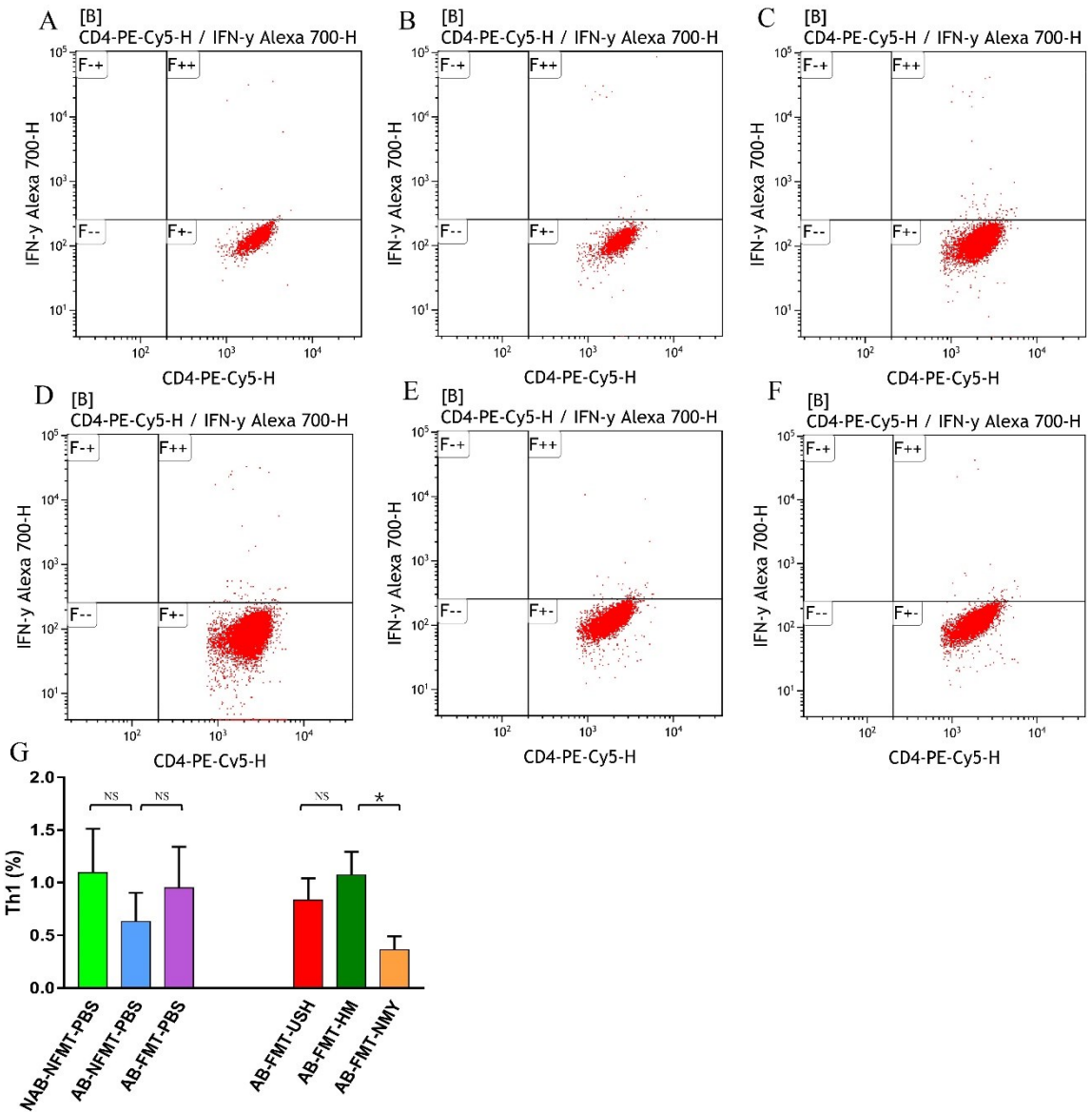


1 Supporting Information



2

3 **Figure S1** Overview graph.

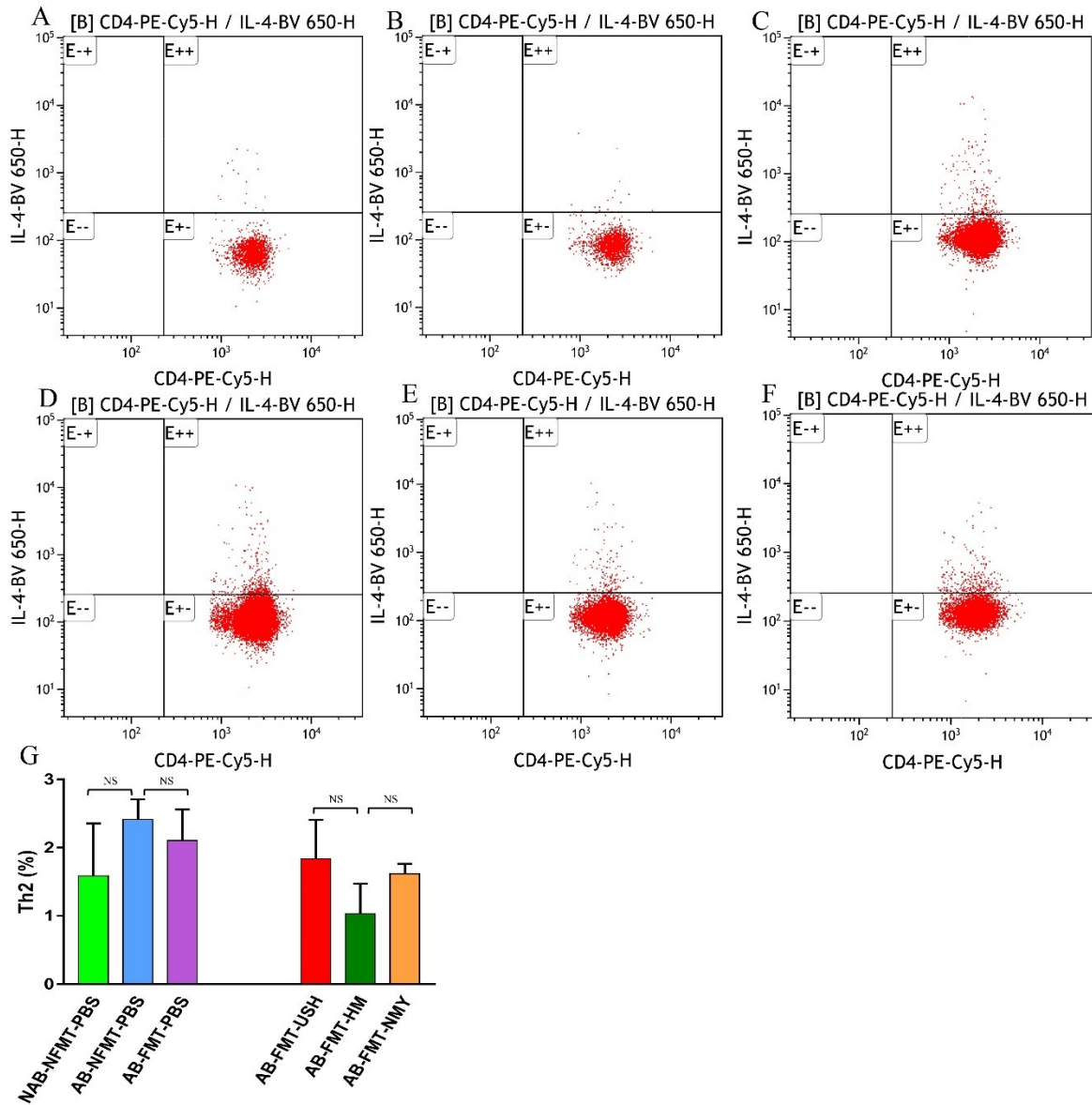


4

5 **Figure S2** Effects of the human milk and infant formula on Th1 cells (%) in peripheral blood

6 of

mice.

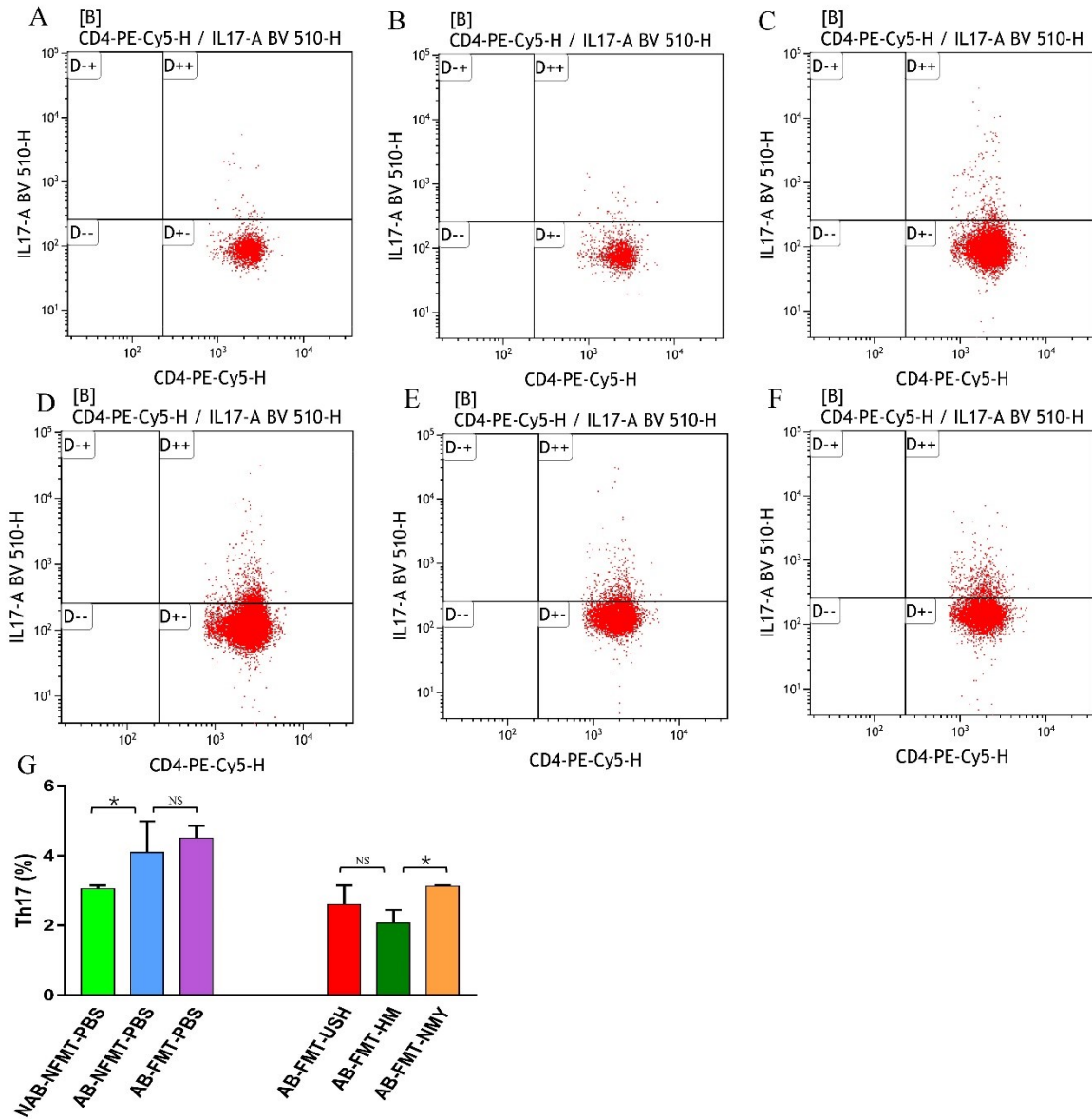


7

8 **Figure S3** Effects of the human milk and infant formula on Th2 cells (%) in peripheral blood

9 of

mice.



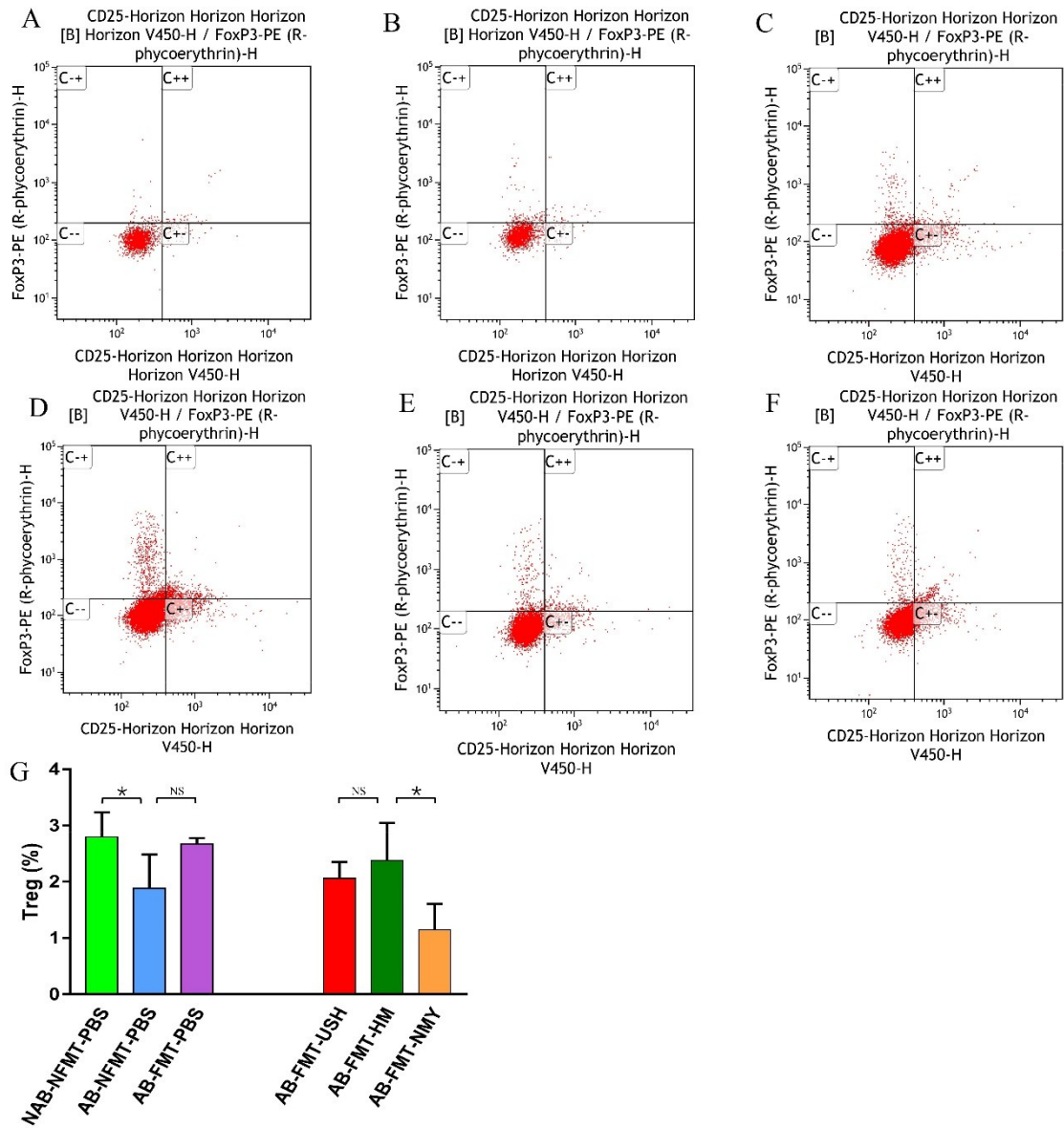
10

11 **Figure S4** Effects of the human milk and infant formula on Th17 cells (%) in peripheral

12 blood

of

mice.



13

14 **Figure S5** Effects of the human milk and infant formula on Treg cells (%) in peripheral

15

blood of mice.

16 **Table S1** Demographic Characteristics of Three Fecal Donors.

	Gender	Diet	Mode of delivery	Age (wks.days) at time of sample collection	Gestational age, wks.days
T1	Male	Human Milk	Vaginal	22.4	39.0
T2	Male	Human Milk	Vaginal	21.2	39.0
T3	Female	Human Milk	Vaginal	21.0	39.2

18 **Table S2** Composition of standard laboratory chow

Diet	Standard Laboratory Chow
Energy composition (%)	
Carbohydrate	63.9%
Protein	20.3%
Fat	15.8%
Ingredients (g/kg)	
Casein	200
L-Cystine	3
Corn starch	397
Maltodextrin	132
Sucrose	100
Cellulose	50
Soybean Oil	70
t-Butylhydroquinone	0.014
Mineral Mix	35
Vitamin Mix	10
Choline Bitartrate	2.5

20 **Table S3** Detailed information of infant formulas.

Nutrients	/100 kJ	
	Infant Formula NMY	Infant Formula USH
Energy/(kJ)	100	100
Protein/(g)	0.52	0.48
Fat/(g)	1.30	1.30
Linoleic Acid/(g)	0.20	0.19
α -Linolenic Acid/(mg)	20	15.2
Carbohydrate/(g)	2.5	2.49
Vitamin A/(μ g RE)	18	22.3
Vitamin D/(μ g)	0.40	0.37
Vitamin E/(mg α -TE)	0.33	0.32
Vitamin K1/(μ g)	3.3	1.9
Vitamin B1/(μ g)	26	45.1
Vitamin B2/(μ g)	28	40.1
Vitamin B6/(μ g)	19.6	27.1
Vitamin B12/(μ g)	0.070	0.082
Niacin/(μ g)	187	226
Folic Acid/(μ g)	3.0	3.6
Pantothenic acid /(μ g)	133	135
Vitamin C/(mg)	2.6	3.3
Biotin/(μ g)	0.7	0.90
Sodium/(mg)	6	9.2
Potassium/(mg)	17	28.6
Copper/(μ g)	16.3	15.5

Magnesium/(mg)	1.4	1.6
Iron/(mg)	0.22	0.29
Zinc/(mg)	0.18	0.22
Manganese/(µg)	1.4	1.8
Calcium/(mg)	16	15.2
Phosphorus/(mg)	10	8.6
Iodine/(µg)	2.7	3.6
Chlorine/(mg)	15	14.8
Selenium/(µg)	0.68	0.72
Choline/(mg)	4.0	5.8
Taurine /(mg)	2	1.7
DHA(%)	0.2	0.36
ARA(%)	0.2	0.36
GOS/(g)	0.07	0.14
FOS/(g)	0.07	0.015
Nucleotides/(mg)	1.63	0.94

21

22