

Table 8 Natural killer cell activity in female B6C3F1/N mice exposed to gum guggul extract via oral gavage daily for 28 days

Parameter	Vehicle	Gum Guggul Extract (ug/kg/day)					CPS	Trend Analysis
		31.25	62.5	125	250	500		
Spleen Weight (mg)	70 ± 3	69 ± 2	70 ± 3	72 ± 2	73 ± 2	73 ± 3	73 ± 3	0.172
% CYT (200 E:T ratio)	28.6 ± 1.3	26.3 ± 1.3	26.6 ± 1.1	30.8 ± 1.0	31.2 ± 0.9	28.6 ± 2.6	1.3 ± 0.4**	0.028
% CYT (100 E:T ratio)	23.2 ± 1.4	21.1 ± 1.0	21.4 ± 0.6	25.0 ± 1.1	24.4 ± 0.8	23.6 ± 2.0	1.3 ± 0.5**	0.006
% CYT (50 E:T ratio)	16.9 ± 0.9	15.6 ± 0.7	16.1 ± 0.6	18.1 ± 1.1	18.8 ± 1.0	16.6 ± 1.6	0.3 ± 0.2**	0.081
% CYT (25 E:T ratio)	11.8 ± 0.9	11.2 ± 0.7	10.8 ± 0.5	13.8 ± 0.8	13.6 ± 0.7	12.1 ± 1.2	-0.4 ± 0.2**	0.086
% CYT (12.5 E:T ratio)	9.0 ± 0.6	7.7 ± 0.4	7.3 ± 0.5	9.5 ± 0.5	9.5 ± 0.3	8.6 ± 1.0	-0.6 ± 0.3**	0.123
% CYT (6.25 E:T ratio)	3.9 ± 0.7	4.3 ± 0.6	3.6 ± 0.5	4.9 ± 0.4	4.8 ± 0.3	4.3 ± 0.6	-0.5 ± 0.3**	0.237

Values represent the mean (±SE) from 7-8 animals/group; *p < 0.05; **p < 0.01.

GGE, Gugulipid® Lot # G51177/H, ~2.45% total guggulsterone content. CPS, cyclophosphamide; CYT cytotoxicity.