Table 7 Cell mediated Immunity in female B6C3F1/N mice exposed to gum guggul extract via oral gavage daily for 28 days (part 2)

Parameter	Vehicle	Gum Guggul Extract (ug/kg/day)					CPS	Trend Analysis
		31.25	62.5	125	250	500	50 mg/kg	p-value
Cytotoxic T-Lymphocyte Response Study 1								
Spleen Weight (mg)	68 ± 4	73 ± 3	65 ± 5	66 ± 3	65 ± 2	75 ± 4	56 ± 2*	0.935
% CYT (25 E:T ratio)	68.4 ± 10.4	79.6 ± 6.3	79.6 ± 8.4	77.2 ± 6.2	65.3 ± 10.7	79.9 ± 6.8	66.1 ± 8.2	0.814
% CYT (12.5 E:T ratio)	60.7 ± 9.4	75.2 ± 5.5	75.4 ± 6.4	69.9 ± 5.8	54.1 ± 9.8	72.6 ± 7.8	54.0 ± 8.9	0.971
% CYT (6 E:T ratio)	50.1 ± 9.2	62.3 ± 6.6	64.1 ± 8.1	59.5 ± 6.3	41.7 ± 9.1	66.7 ± 9.5	39.6 ± 8.6	0.787
% CYT (3 E:T ratio)	37.8 ± 7.9	48.7 ± 6.1	48.9 ± 8.0	45.5 ± 6.1	28.6 ± 7.2	55.6 ± 9.8	27.3 ± 6.3	0.885
% CYT (1.5 E:T ratio)	25.7 ± 6.0	31.6 ± 4.5	31.8 ± 6.2	30.7 ± 5.0	16.1 ± 4.8	40.5 ± 8.7	15.8 ± 4.2	0.971
% CYT (0.75 E:T ratio)	14.2 ± 3.3	17.9 ± 3.5	18.5 ± 4.1	17.2 ± 3.4	9.2 ± 2.9	25.3 ± 6.4	9.2 ± 2.7	0.928
Cytotoxic T-Lymphocyte Response Study 2								
Spleen Weight (mg)	58 ± 3	54 ± 3	63 ± 3	63 ± 4	61 ± 3	58 ± 3	35 ± 3**	0.467
% CYT (25 E:T ratio)	122.1 ± 3.6	124.3 ± 3.8	106.8 ± 13.6	61.3 ± 21.5	106.6 ± 12.1	108.2 ± 14.2	66.9 ± 12.7**	0.305
% CYT (12.5 E:T ratio)	105.0 ± 4.5	113.0 ± 5.7	93.5 ± 12.7	55.8 ± 19.9	96.4 ± 12.4	100.3 ± 14.3	46.9 ± 10.6**	0.816
% CYT (6 E:T ratio)	84.1 ± 5.1	96.3 ± 7.0	74.9 ± 10.9	44.7 ± 16.5	85.7 ± 12.0	90.5 ± 14.4	31.8 ± 8.0**	0.539
% CYT (3 E:T ratio)	59.7 ± 4.5	73.5 ± 7.3	53.5 ± 8.7	31.6 ± 11.9	66.5 ± 10.6	73.9 ± 14.5	19.2 ± 5.2**	0.551
% CYT (1.5 E:T ratio)	37.9 ± 3.3	49.0 ± 5.7	33.9 ± 5.8	21.4 ± 7.9	47.2 ± 7.8	54.7 ± 12.2	11.4 ± 3.1**	0.297
% CYT (0.75 E:T ratio)	21.7 ± 1.5	30.9 ± 4.1	20.0 ± 3.4	12.2 ± 4.4	28.2 ± 4.7	36.7 ± 8.5	8.0 ± 2.8*	0.333

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.