It was shown that there are about 150 molecules of CTLA-4 on one T cell (=150*10^3 molecules/kcell) [PMID: 19479036]. It is assumed that CTLA-4 expression on CD4 T cells is similar to expression on CD8 T cells. Thus:

```
 c_{th0\_ctla4} = c_{cd8\_ctla4} = (1.5 * 10^5 [molecules/kcell]) / (6*10^23 [molecules/mol]) \\ = 2.5*10^(-19) [mol/kcell] = 2.5*10^(-7) [pmol/kcell]
```

where 6*10^23 molecules/mol - Avogadro's number