

**Core peptide to inhibit T-Cell mediated inflammation in animal models (Yeda)**

**code:** T4-238


[Yecheil Shai](#), Biochemistry, Biological Chemistry

**Summary**

**238 - CP Peptide** Description: Core peptide (CP; GLRILLKV-D-stereoisomer), a synthetic peptide coding for the transmembrane domain of the  $\gamma$ -subunit of the T-cell receptor (TCR), a region that has been identified to be crucial for the assembly and function of the TCR. Was shown to significantly inhibit T-cell-mediated inflammation upon subcutaneously administration in animal models. Has the potential of being used as an alternative therapy for immunosuppression.

**Reference:** Gerber D, [Quintana FJ](#), [Bloch I](#), [Cohen IR](#), [Shai Y](#). 2005. D-enantiomer peptide of the TCRalpha transmembrane domain inhibits T-cell activation in vitro and in vivo. FASEB J. 19(9):1190-2.

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