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CD46 is a potent co-stimulatory receptor for expansion of human IFN-γ-producing CD8$^+$ T cells

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Research highlights

• Activation of CD46 induces rapid down-modulation of CD46 expression on the surface of CD8+ T cells.

• CD46 co-stimulation potently induces CD8+ T cell proliferation.

• CD46 co-stimulation does not induce a switch to IL-10 production in CD8+ T cells, as is known for CD4+ T cells.

• CD46 co-stimulation predominantly expands IFN-g-producing CD8+ T cells.