

**Technology:** [Methods for detecting a Mycobacterium tuberculosis infection](#)

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The VA has joint ownership with Oregon Health & Science University

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**Abstract:** Methods for detecting an infection with Mycobacterium tuberculosis (Mtb) in a subject are disclosed. The methods include detecting the presence of CD8+ T cells that specifically recognize an Mtb polypeptide. The methods include in vitro assays for detecting the presence of CD8+ T cells in a biological sample, and in vivo assays that detect a delayed type hypersensitivity reaction. The methods can also include detecting Mtb polypeptides and polynucleotides. Reagents for the detection of an Mtb infection are also disclosed.