

***Mycobacterium tuberculosis*, Strain CDC1551, Transposon Mutant 2433 (MT3584, Rv3480c)**
**Catalog No. NR-18515**

This reagent is the tangible property of the U.S. Government.

**Product Description:** *Mycobacterium tuberculosis* (*M. tuberculosis*), transposon mutant 2433 was created by disruption of a possible triacylglycerol synthase (MT3584, Rv3480c) of the wild-type strain CDC1551. *M. tuberculosis*, strain CDC1551 is a clinical isolate that exhibited high levels of infectivity and virulence during a tuberculosis outbreak that occurred in rural Kentucky and Tennessee from 1994 to 1996.

**Lot<sup>1</sup>: 64344442**
**Manufacturing Date: 17MAR2016**

| TEST  | SPECIFICATIONS  | RESULTS  |
|---|---|--|
| <b>Phenotypic Analysis</b><br>Colony morphology <sup>2</sup><br>Middlebrook 7H10 agar with OADC enrichment<br><br>Lowenstein-Jensen (LJ) agar<br>Tryptic Soy agar (TSA)<br>Acid-fast stain<br>Antibiotic Susceptibility <sup>3</sup><br>Kanamycin (20 µg/mL)<br>Hygromycin (50 µg/mL) | Report results<br><br>Report results<br>Report results<br>Positive (red colonies)<br><br>Resistant<br>Susceptible | Irregular, raised, entire, rough and cream<br>Growth<br>Growth <sup>3</sup><br>Positive (red colonies)<br><br>Resistant<br>Susceptible |
| <b>Point of Insertion<sup>4,5</sup></b><br>Base number (TA site) relative to the start position of ORF  | Report results  | 435  |

<sup>1</sup>*M. tuberculosis*, transposon mutant 2433 was prepared by inoculation of an LJ agar slant (VWR Catalog No. 29447-808) with 0.1 mL of the deposited material and incubated for 148 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>.

<sup>2</sup>148 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>

<sup>3</sup>A small number of tiny colonies were observed on the primary inoculation zone as a result of residual growth medium present in the inoculate.

<sup>4</sup>Performed on the seed material by Colorado State University under the TB Vaccine Testing and Research Materials Contract (NIH)

<sup>5</sup>The POI deviates by less than 10 bp from the POI reported by Johns Hopkins University.

**Date: 29 NOV 2016**
**Signature:**

**BEI Resources Authentication**

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