



# Rabbit Anti-M. tuberculosis ESAT6 Polyclonal antibody (CABT-CS047)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	M. tuberculosis ESAT6
<b>Target</b>	M. tuberculosis ESAT6
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from Mycobacterium tuberculosis ESAT6
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	M. tuberculosis
<b>Purification</b>	Purified by Protein A.
<b>Conjugate</b>	unconjugated
<b>Applications</b>	IHC-P, IF
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	Aqueous buffered solution containing 1% BSA, 50% glycerol and 0.09% sodium azide.
<b>Preservative</b>	0.09% sodium azide
<b>Storage</b>	Store at -20°C for 12 months.

## BACKGROUND

**Introduction**

Mycobacterium tuberculosis (MTB) is a pathogenic bacterial species in the family Mycobacteriaceae and the causative agent of most cases of tuberculosis (TB). First discovered in 1882 by Robert Koch, M. tuberculosis has an unusual, waxy coating on its cell surface (primarily mycolic acid), which makes the cells impervious to Gram staining. Acid-fast detection techniques are used instead. The physiology of M. tuberculosis is highly aerobic and requires high levels of oxygen. Primarily a pathogen of the mammalian respiratory system, MTB infects the lungs. The most frequently used diagnostic methods for TB are the tuberculin skin test, acid-fast stain, and chest radiographs.

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**Keywords**

M. tuberculosis ESAT6; M. tuberculosis; ESAT6

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