

# Anti-Mycobacterial 65-kDa hsp [Ne5]

**Catalogue number:** 154068

**Sub-type:**

**Images:**

## Contributor

**Inventor:** Pranab K Das

**Institute:**

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-Mycobacterial 65-kDa hsp [Ne5]

**Alternate name:**

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** The 65 kDa protein from *M.tuberculosis* and *M.leprae* contains a striking degree of sequence homology, differing in only 28 amino acids. This antibody can distinguish the two making it potentially useful in the serodiagnosis of tuberculosis and leprosy. In addition the C-terminal epitope of mycobacterial 65-kDa hsp is shared with human epidermal suprabasal cytokeratin 1/2 making this antibody a marker of cytokeratin 1/2.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1

**Reactivity:** Mycobacterium bovis ; Mycobacterium avium

**Selectivity:**

**Host:** Mouse

**Immunogen:** 65-kDa antigen isolated from M.tuberculosis (RIVM-strain 7114)

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

*M.tuberculosis*

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Mycobacterial 65-kDa hsp

**Target alternate names:**

**Target background:** The 65 kDa protein from *M.tuberculosis* and *M.leprae* contains a striking degree of sequence homology, differing in only 28 amino acids. This antibody can distinguish the two making it potentially useful in the serodiagnosis of tuberculosis and leprosy. In addition the C-terminal epitope of mycobacterial 65-kDa hsp is shared with human epidermal suprabasal cytokeratin 1/2 making this antibody a marker of cytokeratin 1/2.

**Molecular weight:**

**Ic50:**

## Applications

**Application:** ELISA ; IHC ; WB

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 0.9-1.1mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** RPMI 1640

**Storage conditions:** -15° C to -25° C

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

## References

**References:** Kunzelmann et al. 2011. Biochem J. 440(1):43-9. PMID: 21812760. ; Fluorescence detection of GDP in real time with the reagentless biosensor rhodamine-ParM. ; Kunzelmann et al. 2009. J Biol Chem. 284(48):33130-8. PMID: 19801632. ; A biosensor for fluorescent determination of ADP with high time resolution.

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