



Mouse Anti-TB 38KD Antigen Monoclonal Antibody Datasheet

Product Name: mAb anti-TB 38KD Antigen

Clone No.: D2G2

Catalogue No.: MO-I40021A

Quantity: 0.5 mg/vial

Description: Mouse monoclonal antibody (mAb) to recombinant TB 38KD antigen cloned from virulent strain H37Rv

Purification: Protein G affinity purified

Product Type: Primary antibody

Target Protein: *M. tuberculosis* (TB) 38KD antigen

Immunogen: A recombinant *M. tuberculosis* (TB) protein cloned from the gene of the 38KD antigen in virulent TB strain H37Rv.

Fusion Myeloma: Sp2/0-Ag14

Specificity: The mAb is reactive to the above mentioned recombinant *M. tuberculosis* (TB) protein. Reactivity with the native 38KD antigen in TB H37Rv has not been tested.

Cross - Reactivity: Cross-reaction with other proteins has not been evaluated.

Host / Isotype: Mouse, IgG2a Kappa

Formulation: Lyophilized in 0.01M PBS, pH 7.0

Reconstitution: Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.

Storage: Store at -20°C

Research Area: Bacteriology

Background: *M. tuberculosis* is the bacterium that causes tuberculosis in lungs. *M. tuberculosis* infection is currently screened by tuberculin skin test which may show false positive because of BCG vaccination, or false negative in immuno-compromised individuals. Chest X-ray and sputum test are used for confirmation of infection. Blood detection of *M. tuberculosis* specific proteins including ESAT-6, CFP10 and 38KD antigen, could be proven useful for testing active pulmonary tuberculosis.

Applications: **ELISA:** The mAb reacts with the recombinant *M. tuberculosis* (TB) protein in ELISA assay.

Western Blot: The mAb detects the recombinant *M. tuberculosis* (TB) protein on Western blot.

References: If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

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