abcam

Product datasheet

Anti-Mycobacterium tuberculosis Ag85 antibody ab36731

1 Abreviews 4 References

Overview

Product name	Anti-Mycobacterium tuberculosis Ag85 antibody
Description	Mouse monoclonal to Mycobacterium tuberculosis Ag85
Host species	Mouse
Specificity	This antibody is specific for Mycobacterium mycolyltransferase. Reacts with M. tuberculosis Ag85C and M. smegmatis Ag85 homolog protein. No cross-reactivity to antigens from *Listeria monocytogenes* or *Escherichia coli*.
Tested applications	**Suitable for:** ELISA, WB
Species reactivity	**Reacts with:** Other **Does not react with:** Escherichia coli
Immunogen	Bacterial press extract from Mycobacterium tuberculosis H37Rv
Epitope	Epitope is lacking in PPD (tuberculin purified protein derivative, derived from culture filtrate, heat treated and precipitated with trichloroacetic acid).
General notes	WHO no. IT-49

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 15mM Sodium Azide Constituents: 0.5M Sodium chloride, 0.01M PBS, pH 7.4
Purity	Protein G purified
Clonality	Monoclonal
Myeloma	x63-Ag8.653
Isotype	IgG1
Light chain type	kappa

Applications

Our Abpromise guarantee covers the use of **ab36731** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		1/400. Cell culture filtrate or whole cells directly coated onto microtitre wells can be used.
WB	★★★☆☆	Use at an assay dependent dilution. Predicted molecular weight: 18,31,39 kDa.

Target

Relevance

Mycobacterium tuberculosis antigen 85 is a complex of three related gene products of 30-31 kDa, Ag85A, B and C. All three proteins show fibronectin binding properties and act as mycolyltransferases involved in the final stages of mycobacterial cell wall assembly.

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