

## Product datasheet

# Anti-Mycobacterium tuberculosis Ag85 antibody [HYT27] ab36731

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### Overview

<b>Product name</b>	Anti-Mycobacterium tuberculosis Ag85 antibody [HYT27]
<b>Description</b>	Mouse monoclonal [HYT27] to Mycobacterium tuberculosis Ag85
<b>Host species</b>	Mouse
<b>Specificity</b>	This antibody is specific for Mycobacterium mycolyltransferase. Reacts with M. tuberculosis Ag85C and M. smegmatis Ag85 homolog protein. No cross-reactivity to antigens from <i>Listeria monocytogenes</i> or <i>Escherichia coli</i> .
<b>Tested applications</b>	<b>Suitable for:</b> ELISA, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mycobacterium tuberculosis <b>Does not react with:</b> Escherichia coli
<b>Immunogen</b>	Tissue, cells or virus corresponding to Mycobacterium tuberculosis Ag85.
<b>Epitope</b>	Epitope is lacking in PPD (tuberculin purified protein derivative, derived from culture filtrate, heat treated and precipitated with trichloroacetic acid).
<b>General notes</b>	WHO no. IT-49  The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.  If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.097% Sodium azide Constituents: 2.9% Sodium chloride, 0.0268% PBS

<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	HYT27
<b>Myeloma</b>	x63-Ag8.653
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

## Applications

**The Abpromise guarantee** 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
<b>ELISA</b>		1/400. Cell culture filtrate or whole cells directly coated onto microtitre wells can be used.
<b>WB</b>		Use at an assay dependent concentration. Predicted molecular weight: 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.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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