abcam

PE Anti-Myc tag antibody [9E10] ab72468

<u>1 References</u>   1 Image

Overview

Product name	PE Anti-Myc tag antibody [9E10]
Description	PE Mouse monoclonal [9E10] to Myc tag
Host species	Mouse
Conjugation	PE. Ex: 488nm, Em: 575nm
Tested applications	**Suitable for:** Flow Cyt (Intra)
Species reactivity	**Reacts with:** Recombinant fragment
Immunogen	Synthetic peptide within Human Myc tag aa 400-500 conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary.
General notes	Conjugate = SureLight® R-Phycoerythrin.

We recommend that the investigator determine the appropriate working concentration for their specific application.

Excitation max. lambda: 565>498 nm Emission max. lambda: 578 nm F/P 1:1.

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

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Store In the Dark.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 1% BSA, PBS
Clonality	Monoclonal
Clone number	9E10
Isotype	IgG1

Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab72468 in the following tested applications.

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

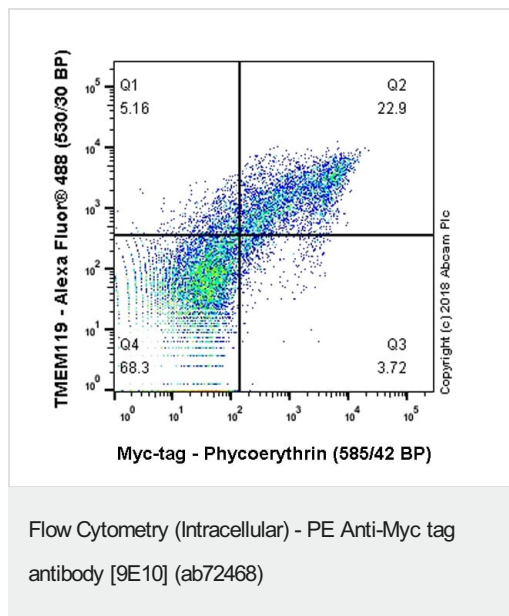| Application	Abreviews	Notes
Flow Cyt (Intra)		1/500. **The cellular localisation of this product has been verified in ICC/IF.** **ab91357** - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

Relevance Epitope tags are short peptide sequences that are easily recognized by tag-specific antibodies. Due to their small size, epitope tags do not affect the tagged protein's biochemical properties. Most often sequences encoding the epitope tag are included with target DNA at the time of cloning to produce fusion proteins containing the epitope tag sequence. This allows anti-epitope tag antibodies to serve as universal detection reagents for any tag containing protein produced by recombinant means. This means that anti-epitope tag antibodies are a useful alternative to generating specific antibodies to identify, immunoprecipitate or immunoaffinity purify a recombinant protein. The anti-epitope tag antibody is usually functional in a variety of antibody-dependent experimental procedures. Expression vectors producing epitope tag fusion proteins are available for a variety of host expression systems including bacteria, yeast, insect and mammalian cells.

Cellular localization Nuclear

Images

Flow Cytometry (Intracellular) - PE Anti-Myc tag antibody [9E10] (ab72468)

Flow cytometry analysis of HEK-293T (human embryonic kidney) transfected with Myc-tagged TMEM119 expression vector labelling Myc-tag with ab72468 at 1/500 dilution (right) compared with Mouse IgG1 (monoclonal) Phycoerythrin (left). Cells were surface-stained with TMEM119 antibody (**ab210405**), then fixed with 2% PFA for 10 minutes and permeabilised with 0.1% Tween-20 for 30 minutes. Next, they were stained with Phycoerythrin conjugated Myc-tag antibody (ab72468) and Alexa Fluor® 488 conjugated anti-Rabbit secondary antibody (for TMEM119). Only TMEM119 (+) population showed Myc-tag positive staining.

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

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