

Anti-Myc tag antibody [9E11] ab56

★★★★★ [7 Abreviews](#) [82 References](#) [4 Images](#)

Overview

Product name	Anti-Myc tag antibody [9E11]
Description	Mouse monoclonal [9E11] to Myc tag
Host species	Mouse
Tested applications	Suitable for: Flow Cyt (Intra), WB, IP
Species reactivity	Reacts with: Species independent
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IP:CHO overexpressing Stra8 whole cell lysate. Flow Cyt (Intra): HL60 cells. WB: ab84132 , ab5395
General notes	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>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.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 6.97% L-Arginine
Purity	Protein G purified
Clonality	Monoclonal
Clone number	9E11
Myeloma	Sp2

Isotype	IgG2a
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab56 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)		1/200. ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (6)	1/500 - 1/1000. Predicted molecular weight: 49 kDa. Additional non-specific bands observed at 75, 110, 140 kDa using mouse and human cells (see Abreview).
IP		Use a concentration of 5 µg/ml.

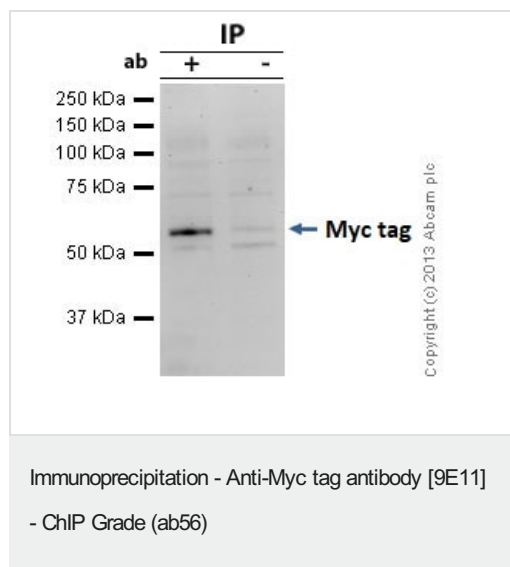
Target

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



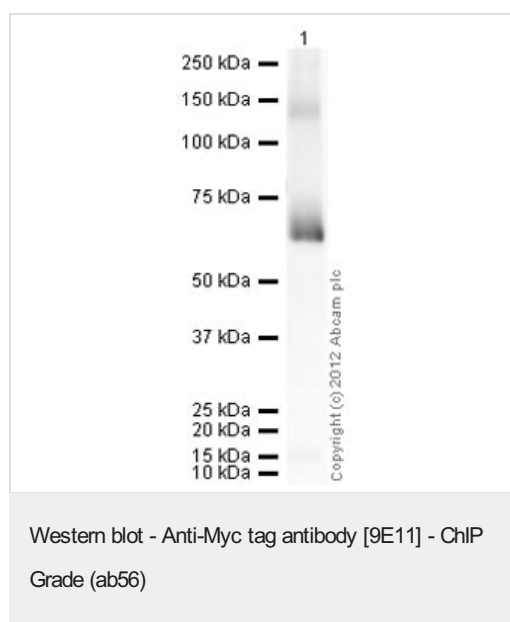
Myc tag was immunoprecipitated using 0.5mg CHO overexpressing Stra8 whole cell lysate, 5µg of Mouse monoclonal to Myc tag and 50µl of protein G magnetic beads (+). No antibody was added to the control (-).

The antibody was incubated under agitation with Protein G beads for 10min, CHO overexpressing Stra8 whole cell lysate lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation.

Proteins were eluted by addition of 40µl SDS loading buffer and incubated for 10min at 70°C; 10µl of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with ab56.

Secondary: Goat polyclonal to mouse IgG light chain specific (HRP) at 1/20,000 dilution.

Band: 49KDa; Myc tag



Anti-Myc tag antibody [9E11] (ab56) at 1/500 dilution +
Recombinant Human c-Myc protein ([ab84132](#)) at 0.01 µg

Secondary

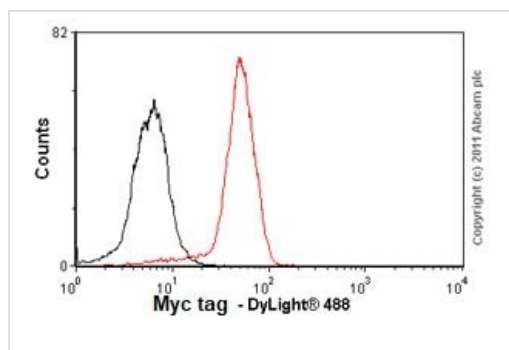
Goat Anti-Mouse IgG H&L (HRP) preadsorbed ([ab97040](#)) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

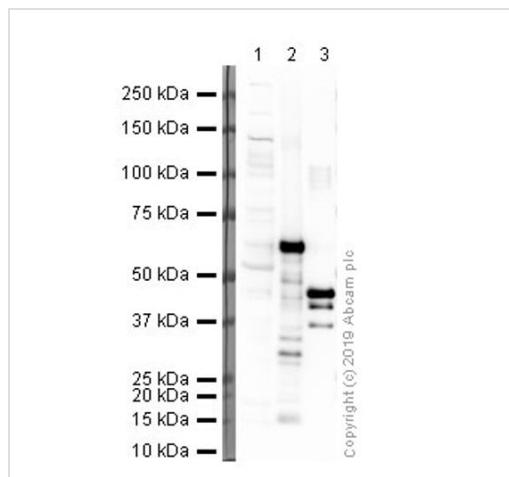
Predicted band size: 49 kDa

Exposure time: 4 minutes



Flow Cytometry (Intracellular) - Anti-Myc tag antibody [9E11] - ChIP Grade (ab56)

Overlay histogram showing HL60 cells stained with ab56 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab56, 1/100 dilution) for 30 min at 22°C. The secondary antibody used was a goat anti-mouse DyLight® 488 (IgG; H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2a [ICIGG2A] ([ab91361](#), 1µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.



Western blot - Anti-Myc tag antibody [9E11] - ChIP Grade (ab56)

All lanes : Anti-Myc tag antibody [9E11] (ab56) at 1 µg/ml

Lane 1 : HEK293 cell lysate at 20 µg

Lane 2 : Recombinant Human c-Myc protein ([ab84132](#)) at 0.1 µg

Lane 3 : E. coli Positive Control (Escherichia coli) Whole Cell Lysate ([ab5395](#)) at 0.1 µg

Secondary

All lanes : Goat polyclonal to Mouse IgG H&L Pre-Adsorbed (HRP) at 1/5000 dilution

Predicted band size: 49 kDa

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