

Alexa Fluor® 647 Anti-Myc tag antibody [9E10] ab223895

画像数 2

製品の概要

製品名	Alexa Fluor® 647 Anti-Myc tag antibody [9E10]
製品の詳細	Alexa Fluor® 647 Mouse monoclonal [9E10] to Myc tag
由来種	Mouse
標識	Alexa Fluor® 647. Ex: 652nm, Em: 668nm
特異性	This antibody is specific for Myc tagged proteins. The Myc tag epitope (EQKLISEEDL) is located at the dimerization site of c-myc and therefore this antibody does not perform well at recognizing endogenous c-myc. A publication by Baker AM et al. 2016 (PMID: 26826706 DOI: 10.1111/his.12939) shows the IHC staining generated by the 9E10 clone does not correlate with c-myc mRNA expression.
アプリケーション	適用あり: Flow Cyt (Intra), ICC/IF
種交差性	交差種: Recombinant fragment
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
エピトープ	aa 410-419 of human Myc.
ポジティブ・コントロール	ICC/IF: 293T cells transfected with TMEM119 with myc tag Flow Cyt (Intra): 293T cells transfected with TMEM119 with myc tag
特記事項	<p>Alexa Fluor® is a registered trademark of Molecular Probes, Inc, a Thermo Fisher Scientific Company. The Alexa Fluor® dye included in this product is provided under an intellectual property license from Life Technologies Corporation. As this product contains the Alexa Fluor® dye, the purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). As this product contains the Alexa Fluor® dye the sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are sold for use in research. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@thermofisher.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>

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

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. Store In the Dark.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 30% Glycerol (glycerin, glycerine), 1% BSA
精製度	IgG fraction
ポリ/モノ	モノクローナル
クローン名	9E10
ミエローマ	Sp2/0
アイソタイプ	IgG1
軽鎖の種類	kappa

アプリケーション

The Abpromise guarantee **Abpromise保証は、**次のテスト済みアプリケーションにおけるab223895の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

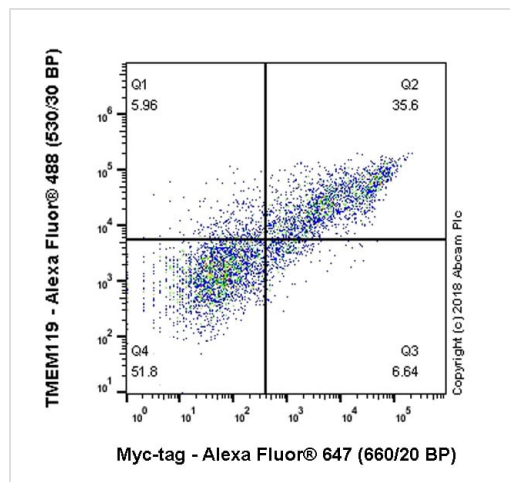
アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/500.
ICC/IF		1/100. This product gave a positive signal in 293T cells transfected with TMEM119 with myc tag fixed with 4% formaldehyde (10 min).

ターゲット情報

関連性

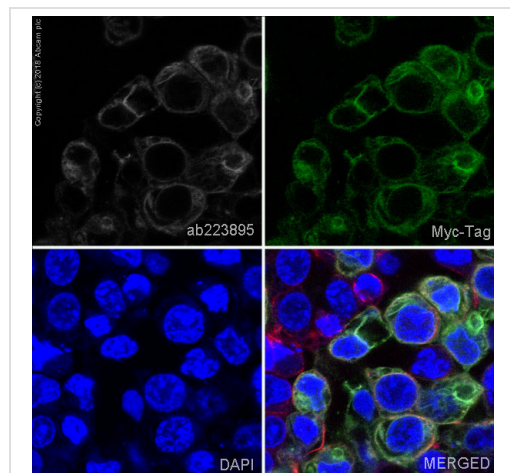
Epitope tags are short peptide sequences that are easily recognized by tag-specific antibodies. Due to their small size, epitope tags do not affect the tagged protein's biochemical properties. Most often sequences encoding the epitope tag are included with target DNA at the time of cloning to produce 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.

画像



Flow Cytometry (Intracellular) - Alexa Fluor® 647
Anti-Myc tag antibody [9E10] (ab223895)

Flow cytometry analysis of HEK-293T (human embryonic kidney) transfected with Myc-tagged TMEM119 expression vector labelling Myc-tag with ab223895 at 1/500 dilution (right) compared with Mouse IgG1 (monoclonal) Alexa Fluor® 647 (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 Alexa Fluor® 647 conjugated Myc-tag antibody (ab223895) and Alexa Fluor® 488 conjugated anti-Rabbit secondary antibody (for TMEM119). Only TMEM119 (+) population showed Myc-tag positive staining.



Immunocytochemistry/ Immunofluorescence - Alexa
Fluor® 647 Anti-Myc tag antibody [9E10]
(ab223895)

ab223895 staining Myc-tag (**pseudocolored in white**) in 293T cells transfected with TMEM119 with myc tag. The cells were fixed with 4% formaldehyde (10 min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab223895 at 1/100 dilution and **ab195889**, Mouse monoclonal to alpha Tubulin (Alexa Fluor® 594), at 1/250 dilution (shown in red). Nuclear DNA was labelled with DAPI (shown in blue) and Alexa Fluor® 488 conjugated control Myc-tag antibody (different clone) is shown in green.

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

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