


Alexa Fluor® 488 Anti-Cytokeratin 8 antibody [EP1628Y] ab192467

リコンビナント **RabMAb**

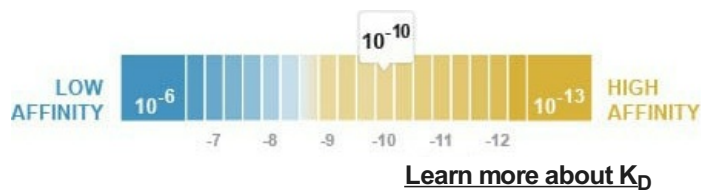
★★★★★ **4 Abreviews** **12 References** 画像数 6

製品の概要

製品名	Alexa Fluor® 488 Anti-Cytokeratin 8 antibody [EP1628Y]
製品の詳細	Alexa Fluor® 488 Rabbit monoclonal [EP1628Y] to Cytokeratin 8
由来種	Rabbit
標識	Alexa Fluor® 488. Ex: 495nm, Em: 519nm
アプリケーション	適用あり: ICC, Flow Cyt (Intra)
種交差性	交差種: Human 交差が予測される動物種: Mouse 
免疫原	Synthetic peptide within Human Cytokeratin 8 aa 300-400 (C terminal). The exact sequence is proprietary. Database link: P05787
ポジティブ・コントロール	ICC/IF: HeLa cells Flow Cyt (intra): HeLa cells
特記事項	<p>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.</p> <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: 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>

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. Avoid freeze / thaw cycle. Stable for 12 months at -20°C. Store In the Dark.
解離定数 (K _D 値)	K _D = 4.60 x 10 ⁻¹⁰ M



バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EP1628Y
アイソタイプ	IgG

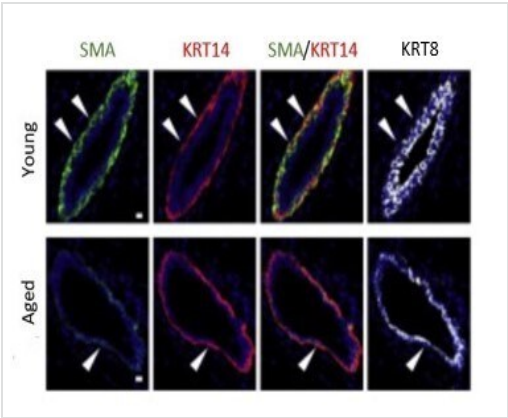
アプリケーション

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ab192467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
ICC		1/100.
Flow Cyt (Intra)		1/500.

ターゲット情報

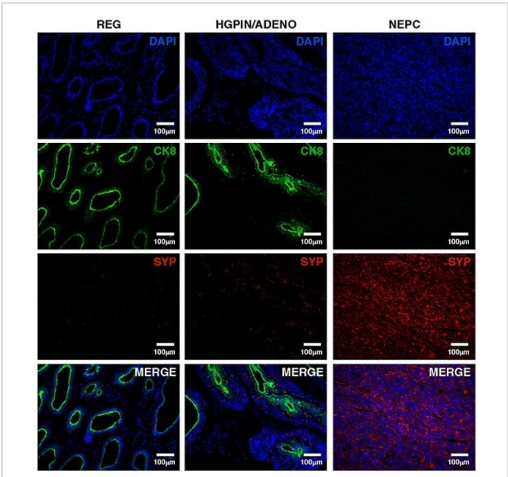
機能	Together with KRT19, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.
組織特異性	Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma membrane in structures that contain dystrophin and spectrin. Expressed in gingival mucosa and hard palate of the oral cavity.
関連疾患	Cirrhosis
配列類似性	Belongs to the intermediate filament family.
翻訳後修飾	Phosphorylation on serine residues is enhanced during EGF stimulation and mitosis. Ser-74 phosphorylation plays an important role in keratin filament reorganization. O-glycosylated. O-GlcNAcylation at multiple sites increases solubility, and decreases stability by inducing proteasomal degradation. O-glycosylated (O-GlcNAcylated), in a cell cycle-dependent manner.
細胞内局在	Cytoplasm. Nucleus, nucleoplasm. Nucleus matrix.



Immunocytochemistry - Alexa Fluor® 488 Anti-Cytokeratin 8 antibody [EP1628Y] (ab192467)

Li C Met al; Cell Rep. 2020 Dec 29;33(13):108566. doi: 10.1016/j.celrep.2020.108566. Reproduced under the Creative Commons license: <https://creativecommons.org/licenses/by/4.0/>

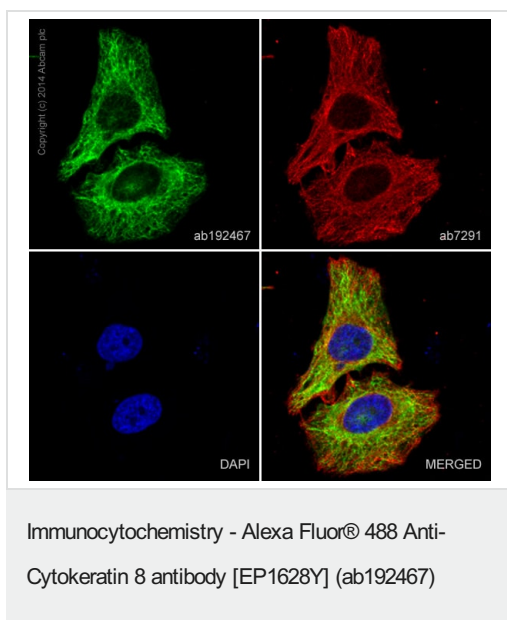
Immunofluorescence analysis of mouse myoepithelial cells labelling KRT8 (right) with ab192467 at 1/100 dilution. The tissue was fixed in 10% neutral buffered formalin overnight. Paraffin embedding and sectioning were performed by the Rodent Histopathology Core at Harvard Medical School. Scale bar, 10 µm.



Immunocytochemistry - Alexa Fluor® 488 Anti-Cytokeratin 8 antibody [EP1628Y] (ab192467)

Sulsenti R et al; Front Immunol. 2021 Mar 2;12:622001. doi: 10.3389/fimmu.2021.622001. Reproduced under the Creative Commons license: <https://creativecommons.org/licenses/by/4.0/>

Immunofluorescence analysis of mouse postate tumor samples labelling cytokeatin 8 (green) with ab192467 at 1/100 dilution. SYP was also stained using **ab206870** (red). Cells were fixed with formalin and embedded in paraffin. Sections were blocked with PBS-Tween (0.1%) containing 5% of BSA. Primary conjugated antibodies were simultaneously incubated overnight at 4°C. Nuclear DNA was labelled with DAPI (blue). Scale bar = 100 µm.

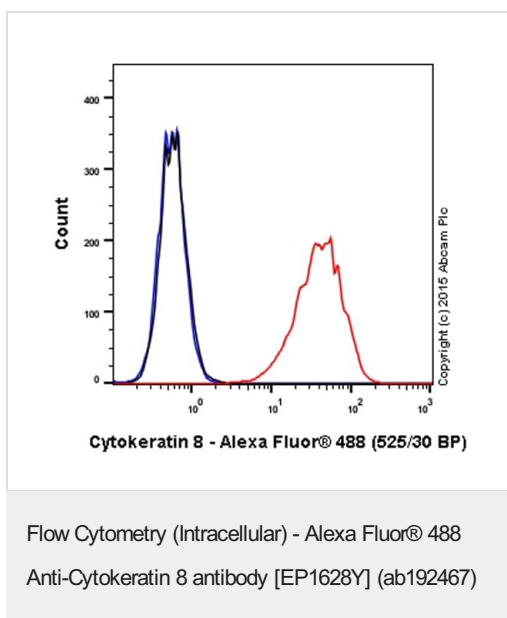


Immunofluorescence staining of cytokeratin 8 in HeLa cells using ab192467. The cells were fixed with 4% formaldehyde (10 min) and then blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Triton X-100 for 1hr. The cells were then incubated with **ab192467** at a working dilution of 1 in 100 (shown in green) and **ab7291** (Mouse monoclonal [DM1A] to alpha Tubulin) at 1 µg/ml overnight at +4°C, followed by a further incubation at room temperature for 1hr with AlexaFluor® 594 Goat anti-mouse IgG (H&L - preadsorbed) (**ab150120**) at 2 µg/ml (shown in pseudo-color red).

Nuclear DNA was labeled in blue with DAPI.

This product gave a positive signal in 100% methanol (5 min) fixed HeLa cells under the same testing conditions.

Image was taken with a Confocal microscope (Leica-microsystems, TCS SP8)

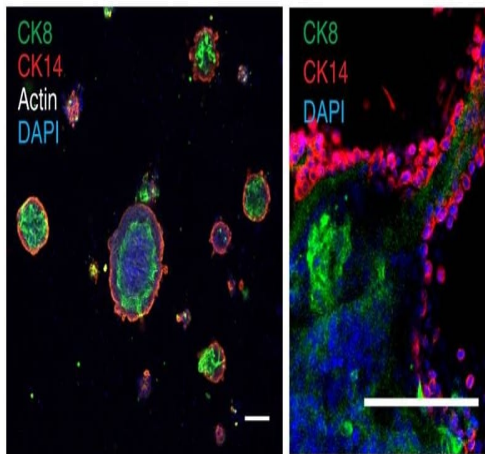


Flow cytometry analysis of HeLa cells stained with ab192467. The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab192467, 1/500 dilution) for 30 min at 22°C.

Isotype control antibody (black line) was rabbit monoclonal IgG [EPR25A] Alexa Fluor® 488 (**ab199091**) used at the same concentration and conditions as the primary antibody. Unlabeled sample (blue line) was also used as a control.

Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.

This antibody gave a positive signal in HeLa cells fixed with 4% formaldehyde (10 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

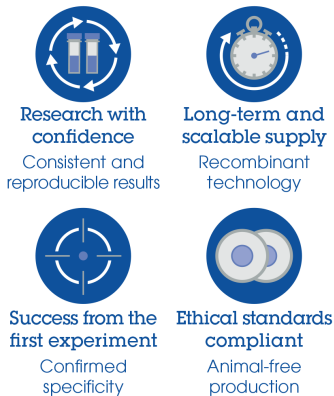


Immunofluorescence staining in human mammary organoids of cytokeratin 8 using ab192467 (green), cytokeratin 14 using **ab206100** (red), and actin (white). Cells were fixed with 4% paraformaldehyde for 20 minutes at room temperature and permeabilized with 0.5% Triton X-100 for 10 minutes at 4 °C. Primary antibodies incubated overnight at 4 °C. Nuclear DNA was labelled with DAPI (blue). Scale bar = 100 µm. Organoids were imaged by confocal microscopy.

Immunocytochemistry - Alexa Fluor® 488 Anti-Cytokeratin 8 antibody [EP1628Y] (ab192467)

Rosenbluth J et al., Nat Commun, 11(1), 1711. Fig 1c.; doi: 10.1038/s41467-020-15548-7. Reproduced under the Creative Commons license <http://creativecommons.org/licenses/by/4.0/>.

Why choose a recombinant antibody?



Alexa Fluor® 488 Anti-Cytokeratin 8 antibody [EP1628Y] (ab192467)

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

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