


# Alexa Fluor® 647 Anti-Cytokeratin 8 antibody [EP1628Y] ab192468

リコンビナント **RabMAb**

★★★★★ **1 Abreviews** **5 References** **画像数 3**

### 製品の概要

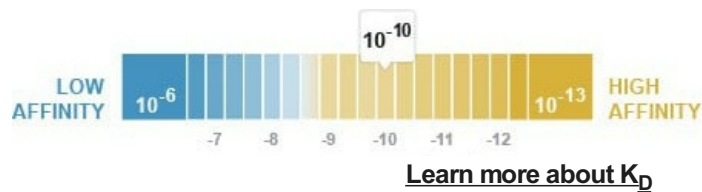
|              |  |
|--------------|--|
| 製品名          | Alexa Fluor® 647 Anti-Cytokeratin 8 antibody [EP1628Y]   |
| 製品の詳細        | Alexa Fluor® 647 Rabbit monoclonal [EP1628Y] to Cytokeratin 8  |
| 由来種          | Rabbit   |
| 標識           | Alexa Fluor® 647. Ex: 652nm, Em: 668nm   |
| アプリケーション     | <b>適用あり:</b> ICC/IF, Flow Cyt (Intra)  |
| 種交差性         | <b>交差種:</b> Human<br><b>交差が予測される動物種:</b> Mouse    |
| 免疫原          | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.  |
| 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 <b><a href="#">RabMAb® patents</a></b>.</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: (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 <b><a href="mailto:outlicensing@thermofisher.com">outlicensing@thermofisher.com</a></b>.</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<sub>D</sub> 値)** K<sub>D</sub> = 4.60 x 10<sup>-10</sup> 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ab192468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/IF           | ★★★★★ (1) | 1/50.   |
| Flow Cyt (Intra) |           | Use 2µl for 10 <sup>6</sup> cells.<br><b>ab199093</b> - Rabbit monoclonal IgG (Alexa Fluor® 647), is suitable for use as an isotype control with this antibody. |

#### 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.

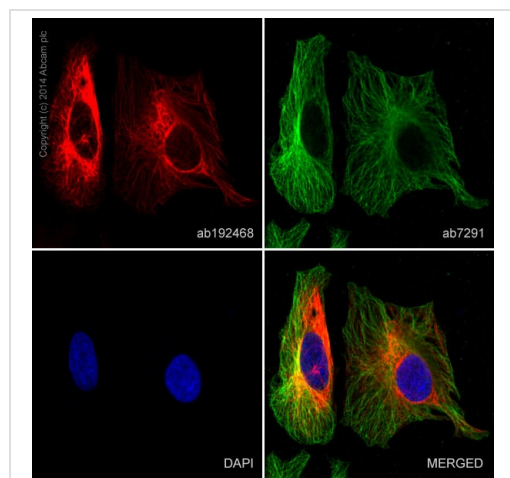
**組織特異性** Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma membrane in structures that contain dystrophin and spectrin. Expressed in gingival mucosa and hard palate of the oral cavity.

**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.

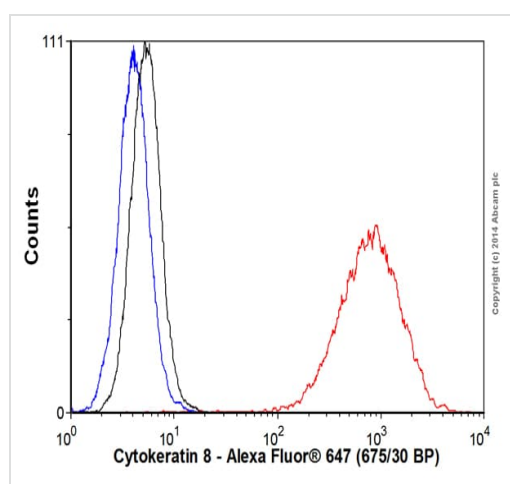


Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 647 Anti-Cytokeratin 8 antibody [EP1628Y] (ab192468)

ab192468 staining Cytokeratin 8 in HeLa cells. 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 ab192468 at a working dilution of 1 in 50 (shown in red) and **ab7291** (Mouse monoclonal [DM1A] to alpha Tubulin) at 1µg/ml overnight at +4°C, followed by a further incubation at room temperature for 1hr with AlexaFluor® 488 Goat anti-mouse IgG (H&L - preadsorbed) (**ab150117**) at 2 µg/ml (shown in green). Nuclear DNA was labelled in blue with DAPI.

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

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



Flow Cytometry (Intracellular) - Alexa Fluor® 647 Anti-Cytokeratin 8 antibody [EP1628Y] (ab192468)

Overlay histogram showing HeLa cells stained with ab192468 (red line). The cells were fixed with 4% formaldehyde (10 min) and then permeabilized with 0.1% PBS-Triton X-100 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 (ab192468, 2µl/1x10<sup>6</sup>) for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (Alexa Fluor® 647) (2µl/1x10<sup>6</sup>) for 30 min at 22°C. Unlabelled sample (blue line) was also used as a control.

Acquisition of >5,000 events were collected using a 25mW red solid state diode laser (635nm) and 675/30 bandpass filter.

This antibody gave a positive signal in HeLa fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Triton X-100 for 20 min used under the same conditions.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Alexa Fluor® 647 Anti-Cytokeratin 8 antibody  
[EP1628Y] (ab192468)

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

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