

## Product datasheet

## Alexa Fluor® 647 Anti-Nanog antibody [EPR2027(2)] ab195018

リコンビナント RabMAb®

1 References [画像数 2](#)

## 製品の概要

|              |  |
|--------------|--|
| 製品名          | Alexa Fluor® 647 Anti-Nanog antibody [EPR2027(2)]  |
| 製品の詳細        | Alexa Fluor® 647 Rabbit monoclonal [EPR2027(2)] to Nanog   |
| 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  |
| 種交差性         | <b>交差種:</b> Human  |
| 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: Sk-ov-3 cells.   |
| 特記事項         | This product is a recombinant monoclonal antibody, which offers several advantages including:<br><ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> For more information <a href="#">see here</a> .<br>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb® patents</a> .<br>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 <a href="mailto:outlicensing@thermofisher.com">outlicensing@thermofisher.com</a> . |

## 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.<br>Avoid freeze / thaw cycle. Store In the Dark. |
| パッファー  | pH: 7.40<br>Preservative: 0.02% Sodium azide<br>Constituents: 30% Glycerol (glycerin, glycerine), PBS, 1% BSA                                 |
| 精製度    | Protein A purified  |
| ポリ/モノ  | モノクローナル   |
| クローン名  | EPR2027(2)  |
| 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ab195018の使用に適用されます**

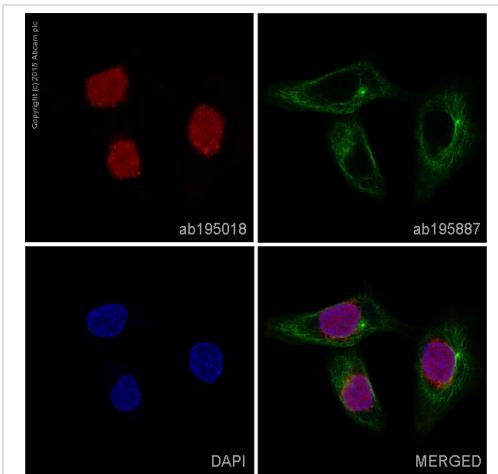
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

| アプリケーション | Abreviews | 特記事項   |
|----------|-----------|--------|
| ICC/IF   |           | 1/100. |

## ターゲット情報

|       |  |
|-------|--|
| 機能    | Transcription regulator involved in inner cell mass and embryonic stem (ES) cells proliferation and self-renewal. Imposes pluripotency on ES cells and prevents their differentiation towards extraembryonic endoderm and trophectoderm lineages. Blocks bone morphogenetic protein-induced mesoderm differentiation of ES cells by physically interacting with SMAD1 and interfering with the recruitment of coactivators to the active SMAD transcriptional complexes (By similarity). Acts as a transcriptional activator or repressor (By similarity). Binds optimally to the DNA consensus sequence 5'-TAAT[GT][GT]-3' or 5'-[CG][GA][CG]C[GC]ATTAN[GC]-3' (By similarity). When overexpressed, promotes cells to enter into S phase and proliferation. |
| 組織特異性 | Expressed in testicular carcinoma and derived germ cell tumors (at protein level). Expressed in fetal gonads, ovary and testis. Also expressed in ovary teratocarcinoma cell line and testicular embryonic carcinoma. Not expressed in many somatic organs and oocytes.  |
| 配列類似性 | Belongs to the Nanog homeobox family.<br>Contains 1 homeobox DNA-binding domain.   |
| 発生段階  | Expressed in embryonic stem (ES) and carcinoma (EC) cells. Expressed in inner cell mass (ICM) of the blastocyst and gonocytes between 14 and 19 weeks of gestation (at protein level). Not expressed in oocytes, unfertilized oocytes, 2-16 cell embryos and early morula (at protein level). Expressed in embryonic stem cells (ES). Expression decreases with ES differentiation.  |
| 細胞内局在 | Nucleus.   |

## 画像



Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 647 Anti-Nanog antibody [EPR2027(2)]  
(ab195018)

ab195018 staining Nanog in Sk-ov-3 cells. The cells were fixed with 4% formaldehyde (10 min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 10% normal goat serum in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab195018 at 1/100 dilution (shown in red) and **ab195887**, Mouse monoclonal to alpha Tubulin (Alexa Fluor® 488), at 1/200 dilution (shown in green). Nuclear DNA was labelled with DAPI (shown in blue).

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

#### Why choose a recombinant antibody?

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|  |  |
| <b>Research with confidence</b><br>Consistent and reproducible results | <b>Long-term and scalable supply</b><br>Recombinant technology |
|  |  |
| <b>Success from the first experiment</b><br>Confirmed specificity      | <b>Ethical standards compliant</b><br>Animal-free production   |

Alexa Fluor® 647 Anti-Nanog antibody [EPR2027(2)]  
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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Extensive multi-media technical resources to help you
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