

### Anti-5-methylcytosine (5-mC) antibody [33D3] ab10805

★★★★★ [12 Abreviews](#) [157 References](#) [画像数 1](#)

#### 製品の概要

製品名	Anti-5-methylcytosine (5-mC) antibody [33D3]
製品の詳細	Mouse monoclonal [33D3] to 5-methylcytosine (5-mC)
由来種	Mouse
特異性	Modified base 5-methylcytidine found in DNA of plants and vertebrates.  Raised against the modified ribonucleoside. Specific for the presence of a methyl group on carbon 5 of the pyrimidine ring.
アプリケーション	<b>適用あり:</b> IHC-P, IP, Southern Blot, Flow Cyt, IHC-Fr <b>適用なし:</b> ICC
種交差性	<b>交差種:</b> Species independent
免疫原	Chemical/ Small Molecule corresponding to 5-methylcytosine (5-mC).
特記事項	Storage in frost-free freezers is not recommended. Should this product contain a precipitate microcentrifugation before use. While older lots have performed well in ICC, we have received inconsistent results with the latest lots. Unfortunately, we can no longer guarantee this antibody for use in ICC.  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.  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 or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.40 Constituents: PBS, 0.876% Sodium chloride
精製度	Protein A purified
一次抗体 備考	Ab10805 recognises the modified base 5-methylcytidine found in DNA of plants and vertebrates.

DNA methylation is a DNA modification process, which is involved in the control of gene expression. Reports suggest that in tumours, DNA is frequently globally hypomethylated compared to the DNA from normal tissue.

ポリ/モノ	モノクローナル
クローン名	33D3
ミエローマ	Sp2/0-Ag14
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ab10805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。

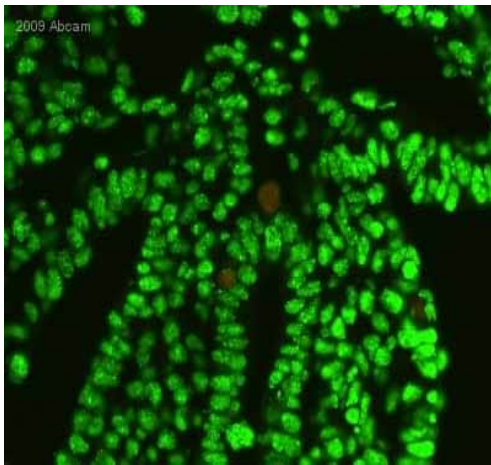
アプリケーション	Abreviews	特記事項
IHC-P	★★★★★ (4)	Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
IP	★★★★★ (1)	Use at an assay dependent concentration.
Southern Blot		1/200.
Flow Cyt	★★★★★ (1)	Use at an assay dependent concentration. Use 10ul of working dilution to label 1000000 cells in 100ul. (see Habib, M. et al. (1999)). <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IHC-Fr		Use at an assay dependent concentration.

**追加情報**      Is unsuitable for ICC.

## ターゲット情報

**製品の状態**      The native context of double-stranded DNA may obstruct antibody binding to 5-methylcytosine. For successful detection of 5-methylcytosine, we recommend that the DNA is denatured to make the nucleotides accessible for the antibody. Denaturing methods vary depending on each application.

## 画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-5-methylcytosine (5-mC) antibody [33D3] (ab10805)

This image is courtesy of an Abreview submitted by Ms Sara Maj Wätjen Hyldig

ab10805 staining 5-Methyl Cytidine in pig embryo (15 to 17 days) tissue section by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections). Tissue underwent fixation in paraformaldehyde, heat mediated antigen retrieval in Tris-EDTA buffer, permeabilization in Triton X-100 and blocking in 2% BSA for 10 minutes at 25°C. The primary antibody was diluted, 1/100 (PBS + 2% BSA) and incubated with sample for 1 hour at 25°C. An Alexa Fluor® 488 conjugated donkey polyclonal to mouse at 1/250 dilution, was used as secondary.

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

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