

### Anti-CD44 antibody [KM201] ab25340

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#### 製品の概要

製品名	Anti-CD44 antibody [KM201]
製品の詳細	Rat monoclonal [KM201] to CD44
由来種	Rat
アプリケーション	<b>適用あり:</b> Flow Cyt, IHC-FoFr
種交差性	<b>交差種:</b> Mouse
免疫原	Tissue, cells or virus corresponding to Mouse CD44.
エピトープ	ab25340 reacts with an epitope very close to the hyaluronate binding domain on the CD44 molecule.
ポジティブ・コントロール	Flow Cyt: BALB/c mouse bone marrow cells.
特記事項	<p>ab25340 can inhibit hyaluronate-dependent cell aggregation, prevent lympho-hemopoiesis in both Dexter and WhitlockWitte Cultures, prevent the earliest intrathymic precursors from homing to the thymus and costimulate the activation of freshly purified splenic CD4+ T cells.</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> <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&amp;As</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 long term. Avoid freeze / thaw cycle.
バッファー	pH: 8.20 Constituent: 100% Borate buffered saline
精製度	Affinity purified
ポリ/モノ	モノクローナル
クローン名	KM201

アイソタイプ	IgG1
軽鎖の種類	kappa

## アプリケーション

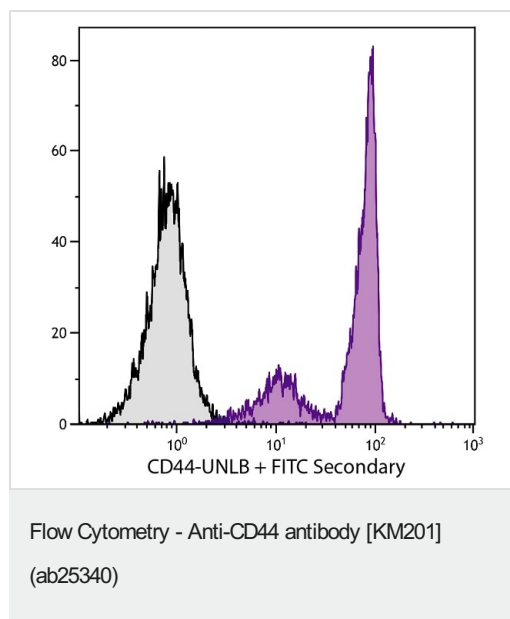
**The Abpromise guarantee** Abpromise保証は、次のテスト済みアプリケーションにおけるab25340の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt		Use at an assay dependent concentration. <b>ab18407</b> - Rat monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IHC-FoFr		Use at an assay dependent concentration.

## ターゲット情報

機能	Receptor for hyaluronic acid (HA). Mediates cell-cell and cell-matrix interactions through its affinity for HA, and possibly also through its affinity for other ligands such as osteopontin, collagens, and matrix metalloproteinases (MMPs). Adhesion with HA plays an important role in cell migration, tumor growth and progression. Also involved in lymphocyte activation, recirculation and homing, and in hematopoiesis. Altered expression or dysfunction causes numerous pathogenic phenotypes. Great protein heterogeneity due to numerous alternative splicing and post-translational modification events.
組織特異性	Isoform 10 (epithelial isoform) is expressed by cells of epithelium and highly expressed by carcinomas. Expression is repressed in neuroblastoma cells.
配列類似性	Contains 1 Link domain.
ドメイン	The lectin-like LINK domain is responsible for hyaluronan binding.
翻訳後修飾	Proteolytically cleaved in the extracellular matrix by specific proteinases (possibly MMPs) in several cell lines and tumors. N-glycosylated. O-glycosylated; contains more-or-less-sulfated chondroitin sulfate glycans, whose number may affect the accessibility of specific proteinases to their cleavage site(s). Phosphorylated; activation of PKC results in the dephosphorylation of Ser-706 (constitutive phosphorylation site), and the phosphorylation of Ser-672.
細胞内局在	Membrane.

## 画像



Flow Cytometry analysis of BALB/c mouse bone marrow cells labeling CD44 with ab25340 at 1  $\mu\text{g}/10^6$  cells dilution (purple). A Mouse Anti-Rat IgG1-FITC was used as the secondary antibody. Grey - Isotype Control, Rat IgG1-UNLB, followed by Mouse Anti-Rat IgG1-FITC.

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