

## Product datasheet

# Anti-CD44 antibody [KM201] (PE/Cy5®) ab25579

### 6 References

#### 製品の概要

製品名	Anti-CD44 antibody [KM201] (PE/Cy5®)
製品の詳細	Rat monoclonal [KM201] to CD44 (PE/Cy5®)
由来種	Rat
標識	PE/Cy5®. Ex: 496nm, Em: 670nm
特異性	ab25579 binds to all isoforms of CD44/pgp-1.
アプリケーション	<b>適用あり:</b> Flow Cyt, IP, WB, Functional Studies
種交差性	<b>交差種:</b> Mouse
免疫原	The details of the immunogen for this antibody are not available.
エピトープ	ab25579 reacts with an epitope very close to the hyaluronate binding domain on the CD44 molecule.
特記事項	<p>This product or portions thereof is manufactured under license from Carnegie Mellon University under U.S. Patent Number 5,268,486 and related patents. Cy and CyDye are trademarks of GE Healthcare Limited.</p> <p>ab25579 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+ cells.</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C.
バッファー	Preservative: 0.1% Sodium Azide Constituents: PBS, pH 7.4
精製度	IgG fraction
一次抗体備考	ab25579 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+ cells.
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

Our [Abpromise guarantee](#) covers the use of **ab25579** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
Flow Cyt		Use 0.2µg for 10 <sup>6</sup> cells.
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 82 kDa.
Functional Studies		Use at an assay dependent concentration. Studies of cell adhesion and homing.

## 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.

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