

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

8 References

概述

产品名称	Anti-CD44抗体[KM201] (PE/Cy5®)
描述	大鼠单克隆抗体[KM201] to CD44 (PE/Cy5®)
宿主	Rat
偶联物	PE/Cy5®. Ex: 496nm, Em: 670nm
特异性	ab25579 binds to all isoforms of CD44/pgp-1.
经测试应用	适用于: Flow Cyt, IP, WB, Functional Studies
种属反应性	与反应: Mouse
免疫原	The details of the immunogen for this antibody are not available.
表位	ab25579 reacts with an epitope very close to the hyaluronate binding domain on the CD44 molecule.
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C.
存储溶液	Preservative: 0.1% Sodium Azide Constituents: PBS, pH 7.4
纯度	IgG fraction
Primary antibody说明	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.
克隆	单克隆
克隆编号	KM201

同种型	IgG1
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用ab25579于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt		Use 0.2µg for 10 ⁶ 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.

靶标

功能	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.
组织特异性	Isoform 10 (epithelial isoform) is expressed by cells of epithelium and highly expressed by carcinomas. Expression is repressed in neuroblastoma cells.
序列相似性	Contains 1 Link domain.
结构域	The lectin-like LINK domain is responsible for hyaluronan binding.
翻译后修饰	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.
细胞定位	Membrane.

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