

Product datasheet

Anti-CD44 antibody [KM201] (Phycoerythrin) ab25224

1 References 1 图像

概述

产品名称	Anti-CD44抗体[KM201] (Phycoerythrin)
描述	大鼠单克隆抗体[KM201] to CD44 (Phycoerythrin)
宿主	Rat
偶联物	Phycoerythrin. Ex: 488nm, Em: 575nm
经测试应用	适用于: Flow Cyt, IP, WB
种属反应性	与反应: Mouse
免疫原	The details of the immunogen for this antibody are not available.
常规说明	

ab25224 can inhibit hyaluronate-dependent cell aggregation, prevent lympho-hemopoiesis in both Dexter and Whitlock-Witte Cultures, prevent the earliest intrathymic precursors from homing to the thymus, and costimulate the activation of freshly purified splenic CD4+ T cells.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C.
存储溶液	Preservative: 0.09% Sodium azide Constituents: PBS, 16% Sucrose
纯度	Stabilising agent. Affinity purified
Primary antibody说明	ab25224 can inhibit hyaluronate-dependent cell aggregation, prevent lympho-hemopoiesis in both Dexter and Whitlock-Witte Cultures, prevent the earliest intrathymic precursors from homing to the thymus, and costimulate the activation of freshly purified splenic CD4+ T cells.
克隆	单克隆
克隆编号	KM201
同种型	IgG1
轻链类型	kappa

应用

Our [Abpromise guarantee](#) covers the use of **ab25224** in the following tested applications.

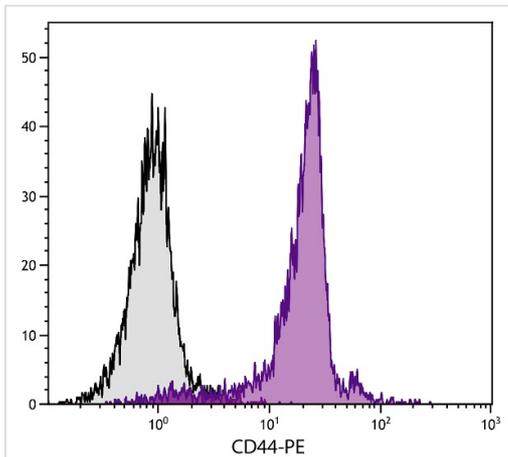
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
Flow Cyt		Use 0.2µg for 10 ⁶ cells. ab154449 - Rat monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 80 - 95 kDa.

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.

图片



Flow Cytometry analysis of BALB/c mouse bone marrow cells labeling CD44 with ab25224 (Phycoerythrin) at 0.1 $\mu\text{g}/10^6$ cells dilution (purple). Grey - Isotype Control, Rat IgG1-Phycoerythrin.

Flow Cytometry - Anti-CD44 antibody [KM201]
(Phycoerythrin) (ab25224)

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