

Anti-CD44 antibody [KM81] ab112178

★★★★★ [5 Abreviews](#) [8 References](#) [3 图像](#)

概述

产品名称	Anti-CD44抗体[KM81]
描述	大鼠单克隆抗体[KM81] to CD44
宿主	Rat
经测试应用	适用于: IHC-P, Flow Cyt
种属反应性	与反应: Mouse
免疫原	Tissue, cells or virus corresponding to Mouse CD44. Mouse Bone Marrow Derived Stromal Cells (clone BMS2)
阳性对照	Flow Cyt: Mouse Bone Marrow cells (BALB/c strain). IHC-P: Mouse lung FFPE tissue sections, mouse spleen tissue
常规说明	<p>This product was changed from ascites to tissue culture supernatant on 21st December 2017. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</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&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.02% Sodium azide Constituent: 99% PBS
纯度	Protein G purified
纯化说明	ab112178 is purified from ascitic fluid via Protein G Chromatography.
克隆	单克隆
克隆编号	KM81

骨髓瘤	Sp2/0
同种型	IgG2a

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab112178于以下的经测试应用

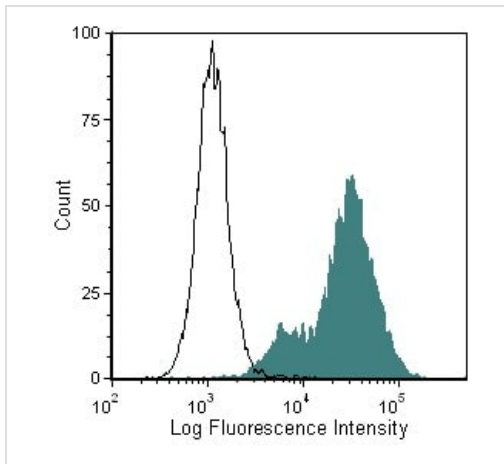
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P	★★★★★ (1)	Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
Flow Cyt	★★★★☆ (2)	Use 0.2µg for 10 ⁶ cells. ab18450 - Rat monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

靶标

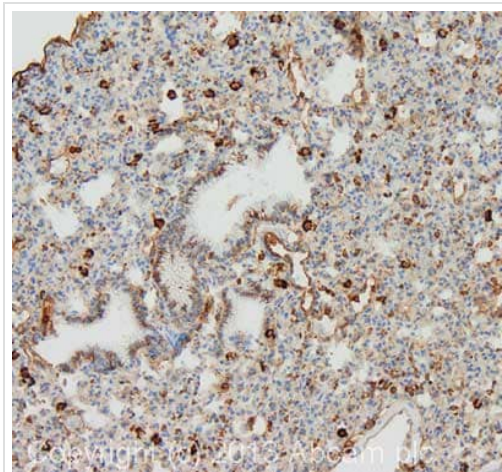
功能	Receptor for hyaluronic acid (HA). Mediates cell-cell and cell-matrix interactions through its affinity for HA, and possibly also through its affinity for other ligands such as osteopontin, collagens, and matrix metalloproteinases (MMPs). Adhesion with HA plays an important role in cell migration, 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 - Anti-CD44 antibody [KM81]
(ab112178)

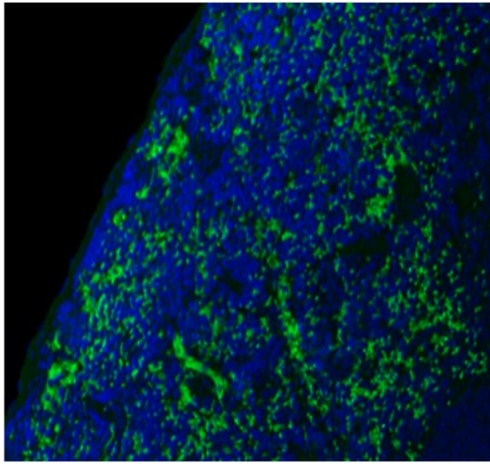
Flow Cytometry analysis of ATH mouse bone marrow cells (green) or Rat IgG2a isotype control (black) labeling CD44 with ab112178 at 0.2 $\mu\text{g}/10^6$ cells.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD44 antibody [KM81]
(ab112178)

IHC image of CD44 staining in mouse lung formalin fixed paraffin embedded tissue section, performed on a Leica Bond system using the standard protocol B. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab112178, 1 $\mu\text{g}/\text{ml}$, for 15 mins at room temperature. A goat anti-rat biotinylated secondary antibody was used to detect the primary, and visualized using an HRP conjugated ABC system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD44 antibody [KM81] (ab112178)

Purified Anti-Mouse CD44 (ab112178) staining of paraformaldehyde-fixed paraffin-embedded mouse spleen sections at 400x magnification with DAPI counterstain. (Rat anti-mouse CD44 mAb (ab112178) 1:100; Alexa Fluor 488 Goat anti-rat 1:500 (Molecular Probes) and Normal Goat Serum (blocking))

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