

Biotin Anti-CD44 antibody [MEM-85] ab28105

[1 Image](#)

Overview

Product name	Biotin Anti-CD44 antibody [MEM-85]
Description	Biotin Mouse monoclonal [MEM-85] to CD44
Host species	Mouse
Conjugation	Biotin
Specificity	The antibody reacts with both cell surface-expressed and soluble form of CD44 antigen.
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus corresponding to Human CD44. Leucocytes of a patient suffering from LGL Type Leukaemia
Positive control	Flow Cyt: human peripheral blood
General notes	<p>The purified antibody is conjugated with Biotin-LC-NHS.</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>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.40</p> <p>Preservative: 0.097% Sodium azide</p> <p>Constituent: PBS</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	MEM-85

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab28105 in the following tested applications.

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

Application	Abreviews	Notes
Flow Cyt		Use a concentration of 1 - 3 µg/ml. ab18418 - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.

Target

Function

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.

Tissue specificity

Isoform 10 (epithelial isoform) is expressed by cells of epithelium and highly expressed by carcinomas. Expression is repressed in neuroblastoma cells.

Sequence similarities

Contains 1 Link domain.

Domain

The lectin-like LINK domain is responsible for hyaluronan binding.

Post-translational modifications

Proteolytically cleaved in the extracellular matrix by specific proteinases (possibly MMPs) in several cell lines and tumors.

N-glycosylated.

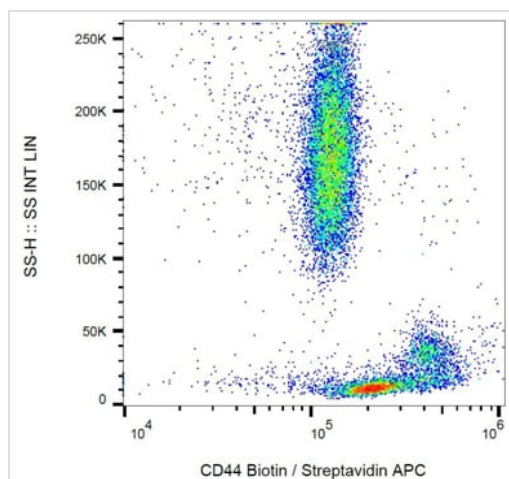
O-glycosylated; contains more-or-less-sulfated chondroitin sulfate glycans, whose number may affect the accessibility of specific proteinases to their cleavage site(s).

Phosphorylated; activation of PKC results in the dephosphorylation of Ser-706 (constitutive phosphorylation site), and the phosphorylation of Ser-672.

Cellular localization

Membrane.

Images



Analysis by flow cytometry of ab28105 staining CD44 in human peripheral blood leukocytes.

Flow Cytometry - Biotin Anti-CD44 antibody [MEM-85] (ab28105)

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