

Product datasheet

PE Anti-CD44 antibody [MEM-263] ab58754

[3 References](#) [1 Image](#)

Overview

| | |
|----------------------------|---|
| Product name | PE Anti-CD44 antibody [MEM-263] |
| Description | PE Mouse monoclonal [MEM-263] to CD44 |
| Host species | Mouse |
| Conjugation | PE. Ex: 488nm, Em: 575nm |
| Specificity | ab58754 reacts with the extracellular (N terminal) domain of standard CD44 present on the most of cells and tissues (leukocytes, endothelial cells, mesenchymal cells, etc.); it is negative on platelets and hepatocytes. |
| Tested applications | Suitable for: WB |
| Species reactivity | Reacts with: Dog, Human, Pig, African green monkey |
| Immunogen | Tissue, cells or virus corresponding to African green monkey CD44. COS-7 cells Database link: P16070-1 |
| Positive control | Peripheral blood lymphocytes from human, dog or pig. Kg-1a human acute leukemia cell lysate. JURKAT human leukemia T cell lysate. |
| General notes | <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. |
| Storage buffer | pH: 7.40 Preservative: 0.097% Sodium azide Constituents: PBS, 0.2% BSA |
| Purity | Size exclusion |
| Purification notes | The conjugate is purified by size exclusion chromatography |

| | |
|---------------------|------------|
| Clonality | Monoclonal |
| Clone number | MEM-263 |
| Isotype | IgG1 |

Applications

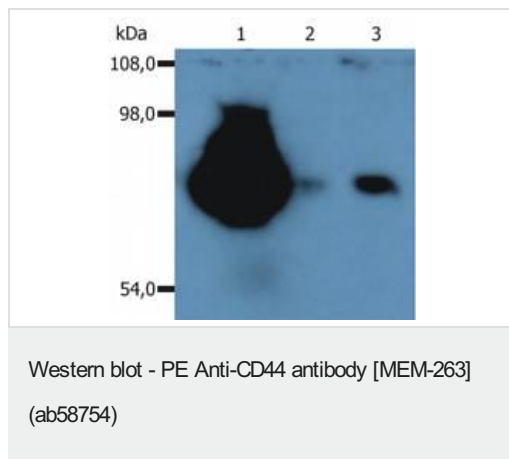
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab58754 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|--|
| WB | | Use a concentration of 2 µg/ml. Detects a band of approximately 82 kDa (predicted molecular weight: 82 kDa). |

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



All lanes : PE Anti-CD44 antibody [MEM-263] (ab58754) at 2 µg/ml

Lane 1 : Human peripheral blood lymphocytes

Lane 2 : Canine peripheral blood lymphocytes

Lane 3 : Porcine peripheral blood lymphocytes

Secondary

All lanes : anti-mouse IgG/HRP

Predicted band size: 82 kDa

Observed band size: 82 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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