

Product datasheet

Anti-CD44 antibody [MEM-85] (Allophycocyanin)
ab239294

1 Image

Overview

Product name	Anti-CD44 antibody [MEM-85] (Allophycocyanin)
Description	Mouse monoclonal [MEM-85] to CD44 (Allophycocyanin)
Host species	Mouse
Conjugation	Allophycocyanin. Ex: 645nm, Em: 660nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus corresponding to CD44. Leukocytes of a patient suffering from LGL Type Leukaemia.
Positive control	Flow Cyt: Human peripheral blood cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Store In the Dark.
Storage buffer	Preservative: 0.0975% Sodium azide Constituent: PBS
Purity	Size exclusion
Purification notes	The purified antibody is conjugated with cross-linked Allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Clonality	Monoclonal
Clone number	MEM-85
Isotype	IgG2b

Applications

Our [Abpromise guarantee](#) covers the use of **ab239294** 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 10µl for 10 ⁶ cells. Or 100 µl of whole blood.

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.

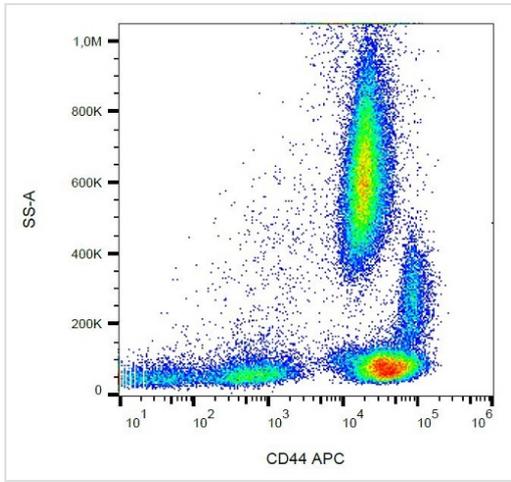
Sequence similarities Contains 1 Link domain.

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



Flow Cytometry analysis of human peripheral blood labeling CD44 with ab239294. Surface staining.

Flow Cytometry - Anti-CD44 antibody [MEM-85] (Allophycocyanin) (ab239294)

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