

Product datasheet

Anti-CD44 antibody [B-F24] ab27284

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

Overview

Product name	Anti-CD44 antibody [B-F24]
Description	Mouse monoclonal [B-F24] to CD44
Host species	Mouse
Specificity	This antibody is specific for CD44.
Tested applications	Suitable for: Flow Cyt, IP
Species reactivity	Reacts with: Human
Immunogen	U937 cell line

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.1% Sodium Azide Constituents: 1% BSA, PBS
Purity	Ion Exchange Chromatography
Clonality	Monoclonal
Clone number	B-F24
Myeloma	x63-Ag8.653
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab27284** 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
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Flow Cyt

Application	Abreviews	Notes
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IP

Application notes

Flow Cyt: Use 10 μ l to label 10^6 cells or 100 μ l of whole blood.
 IP: Use at an assay dependent dilution.

Not yet tested in other applications.
 Optimal dilutions/concentrations should be determined by the end user.

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.

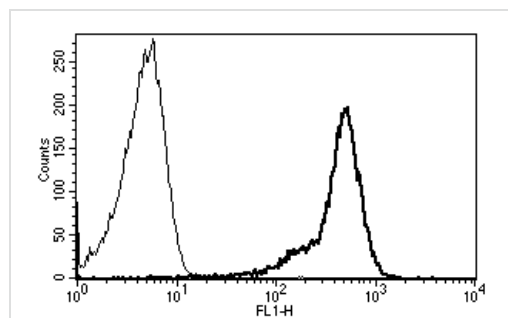
O-glycosylated; contains more-or-less-sulfated chondroitin sulfate glycans, whose number may affect the accessibility of specific proteinases to their cleavage site(s).

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

Cellular localization

Membrane.

Images



A typical staining pattern with ab27284.

Flow Cytometry / FACS - CD44 antibody [B-F24]
 (ab27284)

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