

**Mouse Anti-Human CD44 Monoclonal Antibody Datasheet****Product Name: mAb anti-Human CD44****Clone No.: 3C7****Catalogue No.: MO-L40046B****Quantity:**

Description: Mouse monoclonal antibody (mAb) to human cluster of differentiation 44 (CD44).

Purification: Protein G affinity purified

Product Type: Primary antibody

Target Protein: Human CD44

Immunogen: Recombinant human CD44 produced by mammalian expression system. The target gene encoding Gln21-Pro220 is expressed with a 6His tag at the C-terminus. Accession #:P16070.

Fusion Myeloma: Sp2/0-Ag14

Specificity: Reactive with human CD44

Species Reactivity: Human, others not tested.

Host / Isotype: Mouse, IgG1 Kappa

Formulation: Lyophilized from a solution in 0.01M PBS, pH 7.2

Reconstitution: Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.

Storage: Store at -20 °C

Research Area: Cancer stem cell maker

Background: CD44, a well-known cancer stem cell (CSC) marker and adhesion molecule, is involved in the complex process of epithelial-mesenchymal transition (EMT). It is a glycoprotein receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). CD44, especially its variant CD44v, is implicated in driving tumor growth, metastasis, and relapse following therapy in a wide variety of human cancers such as breast and ovarian cancers.

Application: Western Blot:

The antibody reacts with recombinant CD44. The antibody detected 2 bands (30 KD and 72KD) in CD44 expressing A549 cell lysate on Western Blot.

References: If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

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