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SM1126P Monoclonal Antibody to CD44v7 + CD44v8 - Purified

Alternate names: CD44, CDw44, ECMR-III, Epican, Extracellular matrix receptor-III, GP90 lymphocyte homing/adhesion receptor, HUTCH-I, Heparan sulfate proteoglycan, Hermes antigen, Hyaluronate receptor, LHR, MDU2, MDU3, MIC4, PGP-1, Phagocytic glycoprotein I

Quantity: 0.1 mg

Concentration: 1.0 mg/ml

Host / Isotype: Mouse / IgG2b

Recommended Isotype Controls: SM12P, AM03110PU-N

Clone: VFF-17

Immunogen: Human CD44v7/8.

Format:
State: Liquid purified IgG fraction
Buffer System: PBS
Preservatives: None
Stabilizers: None

Applications:
Western Blot.
Flow Cytometry: Use 10 µl of 1/10-1/100 diluted antibody to label 10^6 cells in 100 µl.
Immunohistochemistry on Frozen Sections 1/100-1/1000.
Immunohistochemistry on Paraffin Sections: 1/100. Requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:
This antibody specifically recognizes an epitope encoded by exons v7-v8 on the variant portion of CD44.
Species: Human.
Other species not tested.

Storage:
Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:
1. Wibulswas A, Croft D, Bacarese-Hamilton I, McIntyre P, Genot E, Kramer IM. The CD44v7/8 epitope as a target to restrain proliferation of fibroblast-like synoviocytes in rheumatoid arthritis. Am J Pathol. 2000 Dec;157(6):2037-44. PubMed PMID: 11106576.
2. Alam TN, O'Hare MJ, Laczkó I, Freeman A, Al-Beidh F, Masters JR, et al. Differential expression of CD44 during human prostate epithelial cell differentiation. J Histochem Cytochem. 2004 Aug;52(8):1083-90. PubMed PMID: 15258184.
3. Hanley WD, Napier SL, Burdick MM, Schnaar RL, Sackstein R, Konstantopoulos K. Variant isoforms of CD44 are P- and L-selectin ligands on colon carcinoma cells. FASEB J. 2006 Feb;20(2):337-9. Epub 2005 Dec 13. PubMed PMID: 16352650.
4. Rajarajan A, Stokes A, Bloor BK, Ceder R, Desai H, Grafström RC, et al. CD44

expression in oro-pharyngeal carcinoma tissues and cell lines. PLoS One. 2012;7(1):e28776. doi: 10.1371/journal.pone.0028776. Epub 2012 Jan 5. PubMed PMID: 22242150.
5. Bauer S, Jendro MC, Wadle A, Kleber S, Stenner F, Dinser R, et al. Fibroblast activation protein is expressed by rheumatoid myofibroblast-like synoviocytes. Arthritis Res Ther. 2006;8(6):R171. PubMed PMID: 17105646.
6. Shirure, V.S. et al. (2014) CD44 variant isoforms expressed by breast cancer cells are functional E--selectin ligands under flow conditions. Am J Physiol Cell Physiol. Oct 22. [Epub ahead of print]