

**SM1126F****Monoclonal Antibody to CD44v7 + CD44v8 - FITC**

<b>Alternate names:</b>	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
<b>Quantity:</b>	100 Tests
<b>Host / Isotype:</b>	Mouse / IgG2b
<b>Recommended Isotype Controls:</b>	SM12F
<b>Clone:</b>	VFF-17
<b>Immunogen:</b>	Human CD44v7/8.
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction <b>Buffer System:</b> Tris buffered saline <b>Preservatives:</b> 0.02% Sodium Azide <b>Stabilizers:</b> 1% BSA <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
<b>Applications:</b>	<b>Flow Cytometry:</b> Use 10 µl of neat antibody to label 10 <sup>6</sup> cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody specifically recognizes an epitope encoded by exons v7-v8 on the variant portion of CD44. <b>Species:</b> Human. Other species not tested.
<b>Storage:</b>	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	<ol style="list-style-type: none"><li>1. Wibulsawas 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. <i>Am J Pathol.</i> 2000 Dec;157(6):2037-44. PubMed PMID: 11106576.</li><li>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. <i>J Histochem Cytochem.</i> 2004 Aug;52(8):1083-90. PubMed PMID: 15258184.</li><li>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. <i>FASEB J.</i> 2006 Feb;20(2):337-9. Epub 2005 Dec 13. PubMed PMID: 16352650.</li><li>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. <i>PLoS One.</i> 2012;7(1):e28776. doi: 10.1371/journal.pone.0028776. Epub 2012 Jan 5. PubMed PMID: 22242150.</li><li>5. Bauer S, Jendro MC, Wadle A, Kleber S, Stenner F, Dinser R, et al. Fibroblast</li></ol>

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]