

CD44v6 Monoclonal Antibody (VFF-7)

Catalog Number MA1-82392

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Mouse / IgG1	Published species	Human, Not Applicable
Class	Monoclonal	Tested Applications	
Type	Antibody	Flow Cytometry (Flow)	Dilution * 1:50-1:200
Clone	VFF-7	Immunohistochemistry (Frozen) (IHC (F))	1:400-1:500
Immunogen	Fusion protein corresponding to the variable domains (v3 to v10) of human CD44.	Immunohistochemistry (Paraffin) (IHC (P))	1:200
Conjugate	Unconjugated	Western Blot (WB)	Assay-dependent
Form	Liquid	Published Applications	
Concentration	1 mg/mL	Blocking Assay (BLOCK)	See 1 publications below
Purification	purified	Flow Cytometry (Flow)	See 1 publications below
Storage buffer	PBS	Immunohistochemistry (IHC)	See 1 publications below
Contains	<0.1% sodium azide	Immunohistochemistry (Paraffin) (IHC (P))	See 1 publications below
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.	Miscellaneous PubMed (Misc)	See 1 publications below

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Product specific information

Heat-mediated antigen retrieval using a sodium citrate buffer (pH 6.0) is recommended for the staining of paraffin sections. For FACS analysis, use 10 µL of the suggested working dilution to label 1x10⁶ cells in 100 µL. Mouse anti Human CD44v6 antibody, clone VFF-7 recognizes an epitope encoded by exon v6 on the variant portion of human CD44.

Background/Target Information

CD44 cell surface antigen is a 100kDa glycoprotein widely expressed on human leucocytes, white matter of the brain and by some epithelial cells of the intestine and breast. Several isoforms of CD44 exist, including the predominant CD44H isoform detected in many normal tissues. CD44 is a receptor for hyaluronic acid (HA) and is involved in cell-cell interactions, cell adhesion and migration. CD44 also participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing. CD44 expression may be up-regulated upon some carcinomas, and it has been speculated that this may be related to metastatic potential.

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PubMed References For CD44v6 Monoclonal Antibody (VFF-7)

1 Blocking Assay References

Species / Dilution	Summary
Human / Not Cited	MA182392 was used in blocking or activating experiment to implicate myeloid differentiation factor-2 as the high-affinity soluble CD83 binding partner
	Journal of immunology (Baltimore, Md. : 1950) (2017; 198: 2286)
	"Soluble CD83 Inhibits T Cell Activation by Binding to the TLR4/MD-2 Complex on CD14<sup>+</sup> Monocytes." Author(s):Horvatinovich JM,Grogan EW,Norris M,Steinkasserer A,Lemos H,Mellor AL,Tcherepanova IY,Nicolette CA, DeBenedette MA PubMed Article URL: http://dx.doi.org/10.4049/jimmunol.1600802

1 Flow Cytometry References

Species / Dilution	Summary
Human / Not Cited	MA1-82392 was used in flow cytometry to assess the effects of erythropoietin in human cells with loss of tuberlin function
	American journal of physiology. Lung cellular and molecular physiology (2011; 300: L64)
	"Erythropoietin-driven proliferation of cells with mutations in the tumor suppressor gene TSC2." Author(s):Ikeda Y,Taveira-DaSilva AM,Pacheco-Rodriguez G,Steagall WK,El-Chemaly S,Gochuico BR,May RM, Hathaway OM,Li S,Wang JA,Darling TN,Stylianou M,Moss J PubMed Article URL: http://dx.doi.org/10.1152/ajplung.00095.2010

1 Immunohistochemistry References

Species / Dilution	Summary
Human / Not Cited	MA1-82392 was used in immunohistochemistry to investigate the expression and the prognostic significance of the membrane-cytoskeletal linker Ezrin in salivary gland adenoid cystic carcinoma
	Oral surgery, oral medicine, oral pathology, oral radiology, and endodontics (2011; 112: 96)
	"Expression of the membrane-cytoskeletal linker Ezrin in salivary gland adenoid cystic carcinoma." Author(s):Wang YY,Chen WL,Huang ZQ,Yang ZH,Zhang B,Wang JG,Li HG,Li JS PubMed Article URL: http://dx.doi.org/10.1016/j.tripleo.2011.02.018

1 Immunohistochemistry (Paraffin) References

Species / Dilution	Summary
Not Applicable / 1:80	MA1-82392 was used in immunohistochemistry - paraffin section to determine the role of immunohistochemical markers in the differential diagnosis of follicular lesions of the thyroid
	In vivo (Athens, Greece) (2004; 18: 189)
	"Role of p53, CD44V6 and CD57 in differentiating between benign and malignant follicular neoplasms of the thyroid." Author(s):Nasir A,Catalano E,Calafati S,Cantor A,Kaiser HE,Coppola D PubMed Article URL: http://www.ncbi.nlm.nih.gov/pubmed/15113046

1 Miscellaneous PubMed References

Species / Dilution	Summary
Human / Not Cited	MA1-82392 was used in immunohistochemistry (paraffin) to test if CD44, CD44v6, and CD44v7-8 are useful markers of squamous differentiation in epithelial tumors.
	Archives of pathology & laboratory medicine (2000; 124: 212)
	"Cd44: a marker of squamous differentiation in adenosquamous neoplasms." Author(s):Ylagan LR,Scholes J,Demopoulos R PubMed Article URL: http://dx.doi.org/10.5858/2000-124-0212-C