

Monoclonal Antibody to CD44 - FITC

Alternate names:	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 1
Catalog No.:	AM00699FC-N
Quantity:	0.5 mg
Concentration:	0.5 mg/ml (OD280nm)
Background:	CD44 is a type 1 transmembrane glycoprotein also known as Phagocytic Glycoprotein 1 (pgp 1) and HCAM. CD44 is the receptor for hyaluronate and exists as a large number of different isoforms due to alternative RNA splicing. The major isoform expressed on lymphocytes, myeloid cells, and erythrocytes is a glycosylated type 1 transmembrane protein. Other isoforms contain glycosaminoglycans and are expressed on hematopoietic and non hematopoietic cells. CD44 is involved in adhesion of leukocytes to endothelial cells, stromal cells, and the extracellular matrix.
Uniprot ID:	P16070
NCBI:	NP_000601.3
GeneID:	960
Host / Isotype:	Rat / IgG2b
Clone:	IM7
Format:	State: Liquid Ig fraction Purification: Protein G chromatography Buffer System: 0.01 M PBS, pH 7.2 containing 1 % BSA; 0.09 % Sodium azide as preservative Label: FITC
Specificity:	Recognizes all isoforms of the Pgp-1 cell surface glycoprotein. Species: Mouse, Human, Canine. Other species not tested.
Add. Information:	Flow cytometry (1 µg to stain 1.0 x 10 ⁶ cells). Immunoprecipitation. Immunohistochemistry on frozen sections.
Storage:	Store the antibody at 2 - 8 °C. DO NOT FREEZE! Centrifuge vial before opening. Shelf life: one year from despatch.
General Readings:	1. Trowbridge, I., et al., (1982), Immunogenetics, 15:299. 2. Lesley, J., et al., (1988), Cell Immunol., 112:40.