

Monoclonal Antibody to CD44v6 -FITC-

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
Catalog No.:	SM1118F
Quantity:	100 Tests
Concentration:	0.1 mg/ml
Background:	CD44 is the receptor for hyaluronic acid (HA). It mediates cell to cell and cell matrix interactions through its affinity for HA. Adhesion with HA plays an important role in cell migration, tumor growth and progression. Also involved in lymphocyte activation, recirculation and homing, and in hematopoiesis. High protein heterogeneity due to several alternative splicing and post translational modification events. CD44R represents a heterogeneous group of CD44 variant isoforms expressed constitutively in epithelial cells and monocyte lineage cells and can be upregulated in activated leukocytes. CD44R, and in particular CD44v6 containing isoforms, may be involved in leukocyte attachment to and rolling on endothelial cells, homing to peripheral lymphoid organs and to sites of inflammation. CD44v6 containing isoforms may be involved in tumor metastasis.
Uniprot ID:	P16070
NCBI:	NP_000601.3
GeneID:	960
Host / Isotype:	Mouse / IgG1
Clone:	VFF-7
Immunogen:	Glutathione S Transferase (GST) fusion protein corresponding to the variable domains (v3 to v10) of Human CD44. Spleen cells from immunised BALB/c micewere fused with cells of the P3X63Ag8.653 myeloma cell line.
Format:	State: Liquid purified IgG fraction. Buffer System: Tris buffered saline containing 0.02% Sodium Azide as preservative and 1% BSA as stabilizer. Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: Use 10 µl of neat antibody solution to label 10e6 cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody specifically recognises an epitope encoded by exon v6 on the variant portion of Human CD44.
Species Reactivity:	Tested: Human.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

Storage:

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
This product is photosensitive and should be protected from light.
Shelf life: one year from despatch

General References:

1. Neumayer, R. et al. (1999) CD44 expression in benign and malignant colorectal polyps. *Dis. Colon. Rectum.* 42:50-55.
2. Koopman, G. et al. (1993) Activated human lymphocytes and aggressive nonHodgkin's lymphomas express a homologue of the rat metastasisassociated variant of CD44. *J. Exp. Med.* 177: 897-904.

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