

Monoclonal Antibody to CD44 - PE

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.:	AM08140RP-N
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
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:	Q9W6S4
NCBI:	9031
Host / Isotype:	Mouse / IgG1
Clone:	AV6
Format:	State: Liquid purified Ig fraction. Buffer System: PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent. Label: PE – R-Phycoerythrin
Applications:	Flow Cytometry: < / = 0.2 µg/10e6 cells. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is specific to Chicken CD44 (Mr 90 kDa). It also reacts with IgM+ Turkey B cells and a subset of Turkey lymphocytes. Species: Chicken and Turkey. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Davison, T.F. Personal Communication. 2. Lazaar, A. L., and E. Pure. 1995. The Immunologist 3:19. 3. Puré E, Camp RL, Peritt D, Panettieri RA, Lazaar AL, Nayak S. Defective phosphorylation

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



and hyaluronate binding of CD44 with point mutations in the cytoplasmic domain. J Exp Med. 1995 Jan 1;181(1):55-62. PubMed PMID: 7528778.

Pictures:

Immunofluorescent Staining: Chicken peripheral blood mononuclear cells were double stained with Mouse anti-Chicken CD44-PE and Mouse anti-Chicken Beta-2 Microglobulin. Lymphocytes were gated and analyzed on a FACScan(TM) flow cytometer (BDB, San Jose, CA). Amount Used: 0.2 µg/10e6 cells.

