

Monoclonal Antibody to CD44 (21-145) - Purified

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.:	AM03178PU-N
Quantity:	0.1 ml
Concentration:	1.0 mg/ml
Background:	CD44 is a broadly distributed transmembrane glycoprotein that plays a critical role in a variety of cellular behaviors, including adhesion, migration, invasion, and survival. CD44 mediates cell-cell and cell-matrix interactions in a large part through its affinity for hyaluronan (HA), a glycosaminoglycan constituent of extracellular matrices, but also potentially through its affinity for other ligands such as osteopontin, collagens, and matrix metalloproteinases (MMPs). Variants of CD44 are expressed in tissues during development, including embryonic epithelia. Known functions of CD44 are cellular adhesion (aggregation and migration), hyaluronate degradation, lymphocyte activation, lymph node homing, myelopoiesis and lymphopoiesis, angiogenesis, and release of cytokines. The functions of CD44 are principally dependant on cellular adhesion in one setting or another.
Uniprot ID:	P16070
NCBI:	NP_000601.3
GeneID:	960
Host / Isotype:	Mouse / IgG2b
Clone:	5C10
Immunogen:	Recombinant Human CD44 (aa 21-145) purified from <i>E. coli</i>
Format:	State: Liquid purified Ig fraction. Purification: Protein-G affinity chromatography Buffer System: PBS, pH 7.4, containing 0.09% Sodium Aziden as preservative.
Applications:	ELISA. Western blot: 1/1,000-1/2,000. Immunohistochemistry on Paraffin Sections: 5 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects Human CD44 / HUTCH-I.
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.

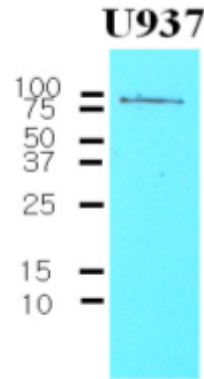
Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com



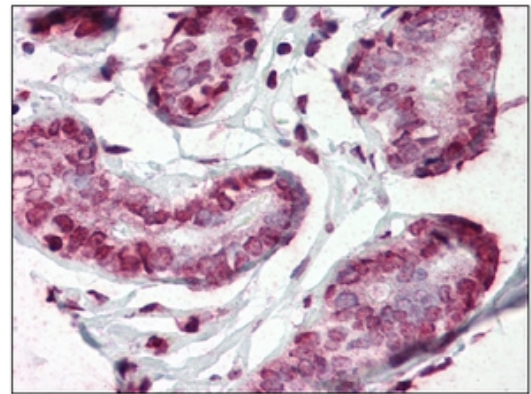
Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: 1. Cichy, J. and Pure, E. (2003) J.Cell Biol. 161, 839-843.
2. Sneath RJ, Mangham DC (1998) Mol Pathol. 51(4):191-200.

Pictures: **Western blot analysis:** The Cell lysates of U937 (30 µg) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human CD44 antibody (1/1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Immunohistochemistry: AM03178PU-N Cd44 antibody staining of Formalin-Fixed, Paraffin-Embedded Human Breast at 5 µg/ml followed by biotinylated anti-mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



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