

# CD44 rabbit pAb

Cat No.:ES17640

For research use only

## Overview

Product Name	CD44 rabbit pAb
Host species	Rabbit
Applications	IF;WB;IHC;ELISA
Species Cross-Reactivity	Human; Mouse; Rat
Recommended dilutions	IF: 1:50-200 WB 1:500-2000, IHC 1:50-300
Immunogen	Synthesized peptide derived from human CD44 AA range: 1105-1165
Specificity	This antibody detects endogenous levels of human CD44
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C . Avoid repeated freeze-thaw cycles.
Protein Name	CD44
Gene Name	CD44 LHR MDU2 MDU3 MIC4
Cellular localization	Cell membrane ; Single-pass type I membrane protein . Cell projection, microvillus . Colocalizes with actin in membrane protrusions at wounding edges. Co-localizes with RDX, EZR and MSN in microvilli. Localizes to cholesterol-rich membrane-bound lipid raft domains. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	120kD
Human Gene ID	960
Human Swiss-Prot Number	P16070
Alternative Names	CD44 antigen (CDw44;Epican;Extracellular matrix receptor III;ECMR-III;GP90 lymphocyte homing/adhesion receptor;HUTCH-I;Heparan sulfate proteoglycan;Hermes antigen;Hyaluronate receptor;Phagocytic glycoprotein





## Background

1;PGP-1;Phagocytic glycoprotein I;PGP-I;CD anti  
The protein encoded by this gene is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). This protein participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis. Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms, however, the full length nature of some of these variants has not been determined. Alternative splicing is the basis for the structural and functional diversity of this protein, and may be related to tumor metastasis. [provided by RefSeq, Jul 2008],

