

## Product overview

product name	CD44 mouse monoclonal antibody
catalog No.	ATDA00014
Category	Primary antibody
Host	Mouse
Species specificity	This antibody detects endogenous levels of human CD44. Heat-induced epitope retrieval (HIER) Citrate buffer of pH6.0 was highly recommended as antigen repair method in paraffin section
Tested applications	IHC-p, WB
Clonality	Monoclonal
Immunogen	Synthesized peptide derived from human CD44.
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
Uniprot ID	P16070

## Product performance

Form	Liquid
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Stored at -20°C. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/ml
Isotype	IgG2b, Kappa

## Dilution range

IHC-p: 1:100-1:500; WB: 1:500-1:2000

## Product background

CD44 molecule (Indian blood group) (CD44) Homo sapiens 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.

