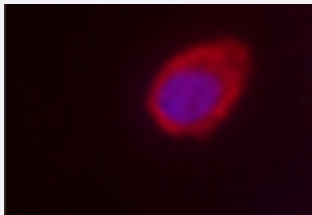


CD44 monoclonal antibody (APC)

Catalog # MAB23675-M01

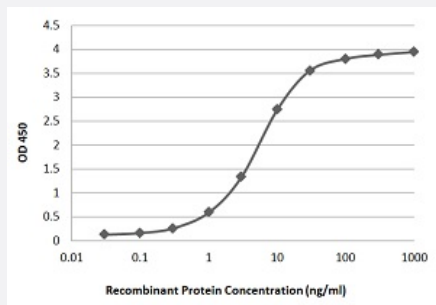
Size 50 ug

Applications



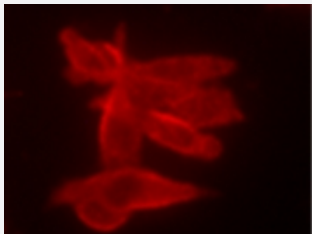
Immunofluorescence

Immunofluorescence staining performed on CTCs from the patient recovered by SuperSlide™. CD44 was detected via red signal (APC).



Sandwich ELISA

Sandwich ELISA performed with CD44 recombinant protein and CD44 monoclonal antibody (APC)



Immunofluorescence

Immunofluorescence staining performed on PC-3 cells using CD44 monoclonal antibody (APC) (10 ug/mL).

Specification

Product Description

APC conjugated mouse CD44 monoclonal antibody.

Amenable Platform

[LiquidCell™ negative enrichment cell isolation](#)

Immunogen	Human recombinant CD44
Host	Mouse
Form	Liquid
Conjugation	APC
Concentration	0.5 mg/mL
Isotype	IgG2b, kappa
Available Test	16 assays
Quality Control Testing	Results Sandwich ELISA Sandwich ELISA performed with CD44 recombinant protein and CD44 monoclonal antibody (APC) Immunofluorescence Immunofluorescence staining performed on PC-3 cells using CD44 monoclonal antibody (APC) (10 ug/mL).
Recommend Usage	Immunofluorescence (10 ug/mL) LiquidCell™ SuperSlide™ (6 uL per slide)
Regulatory Status	Research Use Only
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at 2-8°C. Do not freeze.
Instrument Compatibility	Ventana™ BenchMark Stainer

Applications

- Immunofluorescence

Immunofluorescence staining performed on CTCs from the patient recovered by SuperSlide™. CD44 was detected via red signal (APC).

Gene Info — CD44

Entrez GeneID	960
Gene Name	CD44

Gene Alias	CDW44, CSPG8, ECMR-III, HCELL, IN, LHR, MC56, MDU2, MDU3, MGC10468, MIC4, MUTCH-I, Pgp1
Gene Description	CD44 molecule (Indian blood group)
Omim ID	107269
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	CD44 antigen CD44 antigen (homing function and Indian blood group system) CDW44 antigen G P90 lymphocyte homing/adhesion receptor Hermes antigen antigen gp90 homing receptor cell adhesion molecule cell surface glycoprotein CD44 chondroitin sulfate proteoglycan

Pathway

- [ECM-receptor interaction](#)
- [Hematopoietic cell lineage](#)

Disease

- [Arthritis](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Craniofacial Abnormalities](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)

- [Head and Neck Neoplasms](#)
- [Heart Defects](#)
- [Hepatitis B](#)
- [Kidney Failure](#)
- [Mouth Abnormalities](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Ovarian Neoplasms](#)