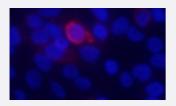
# CD44v9 monoclonal antibody

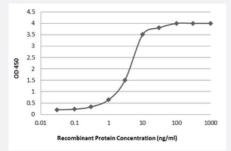
Catalog # MAB23678-M01 Size 50 ug

# Applications



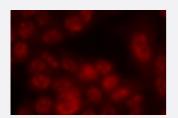
## Immunofluorescence

Immunofluorescence staining performed on CTCs from the patient recoverd by SuperSlide™. CD44v9 was detected via red signal (Alexa 647).



## Sandwich ELISA

Sandwich ELISA performed with CD44v9 recombinant protein and CD44v9 monoclonal antibody



## Immunofluorescence

Immunofluorescence staining performed on PC-3 cells using CD44v9 monoclonal antibody (10 ug/mL) with Alexa 647 conjugated anti-rat secondary antibody.

Specification	
Product Description	CD44v9 rat monoclonal antibody.
Amenable Platform	LiquidCell™ negative enrichment cell isolation

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## **Product Information**

Immunogen	Human recombinant CD44 variant 9
Host	Rat
Form	Liquid
Concentration	1 mg/mL
lsotype	lgG2a
Available Test	16 assays
Quality Control Testing	Results Sandwich ELISA Sandwich ELISA performed with CD44v9 recombinant protein and CD44v9 monoclonal antibody Immunofluorescence Immunofluorescence staining performed on PC-3 cells using CD44v9 monoclonal antibody (10 ug/m L) with Alexa 647 conjugated anti-rat secondary antibody.
Recommend Usage	lmmunofluorescence (10 ug/mL) LiquidCell™ SuperSlide™ (3 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
Recommend Reagents	Alexa 647 conjugated anti-rat secondary antibody (Cat#: A-21247, Thermo Fisher)

# Applications

• Immunofluorescence

Immunofluorescence staining performed on CTCs from the patient recoverd by SuperSlide™. CD44v9 was detected via red signal (Alexa 647).

Gene Info — CD44	
Entrez GenelD	<u>960</u>
Gene Name	CD44

Gene Alias CDW44, CSPG8, ECMR-III, HCELL, IN, LHR, MC56, MDU2, MDU3, MGC10468, MIC4, MUTCH -l, 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, ce Il adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other I igands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). This protein parti cipates in a wide variety of cellular functions including lymphocyte activation, recirculation and ho ming, hematopoiesis, and tumor metastasis. Transcripts for this gene undergo complex alternativ e 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 fu nctional 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 ad hesion molecule/cell surface glycoprotein CD44/chondroitin sulfate proteogl

**Product Information** 

## Pathway

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- <u>ECM-receptor interaction</u>
- Hematopoietic cell lineage

#### Disease

- Arthritis
- Breast Neoplasms
- <u>Cardiovascular Diseases</u>
- Cleft Lip
- <u>Cleft Palate</u>
- Craniofacial Abnormalities
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease

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- Head and Neck Neoplasms
- Heart Defects
- <u>Hepatitis B</u>
- Kidney Failure
- <u>Mouth Abnormalities</u>
- <u>Neoplasm Recurrence</u>
- <u>Neoplasms</u>
- Ovarian Neoplasms