

**Anti-CD44 (Extracellular region) Antibody**  
**Catalog # AN1691****Specification**

---

**Anti-CD44 (Extracellular region) Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P16070</a>
Host	Mouse
Clonality	Mouse Monoclonal
Isotype	IgG2b
Calculated MW	81538

**Anti-CD44 (Extracellular region) Antibody - Additional Information**Gene ID **960****Other Names**

Epican, ECMR-III, PGP-1, LHR, MDU2, MDU3, MIC4 Heparan sulfate proteoglycan HUTCH-I GP90, CD44

**Target/Specificity**

Cell surface adhesion protein CD44 is a ubiquitously expressed type I transmembrane protein that has important functions related to cell-cell adhesion and extracellular matrix interactions. The transmembrane protein is post-translationally modified at multiple sites by glycosylation and phosphorylation. CD44 ligands include hyaluronic acid, collagens, laminins, osteopontin, serglycin, and fibronectin. CD44 has been implicated in inflammatory cell functions as well as in tumor growth and metastasis. CD44 is overexpressed in many types of cancer; the interaction between CD44 and HER2 has been linked to an increase in ovarian carcinoma cell growth. CD44 interacts with ezrin, radixin, and moesin to link the actin cytoskeleton to the plasma membrane and the extracellular matrix. These interactions are critical for CD44 function in cell-cell adhesion and cell motility.

**Dilution**

WB~~1:1000

IHC~~1:100~500

**Format**

Protein G Purified

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Anti-CD44 (Extracellular region) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Shipping**

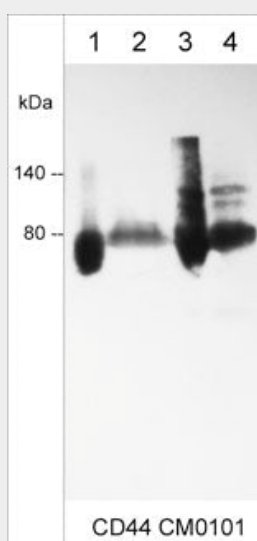
Blue Ice

## Anti-CD44 (Extracellular region) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-CD44 (Extracellular region) Antibody - Images



Immunocytochemical labeling of CD44 in paraformaldehyde fixed human A431 cells. The cells were labeled with mouse monoclonal anti-CD44 (clone M010). The antibody was detected using goat anti-mouse DyLight® 594.

## Anti-CD44 (Extracellular region) Antibody - Background

Cell surface adhesion protein CD44 is a ubiquitously expressed type I transmembrane protein that has important functions related to cell-cell adhesion and extracellular matrix interactions. The transmembrane protein is post-translationally modified at multiple sites by glycosylation and phosphorylation. CD44 ligands include hyaluronic acid, collagens, laminins, osteopontin, serglycin, and fibronectin. CD44 has been implicated in inflammatory cell functions as well as in tumor growth and metastasis. CD44 is overexpressed in many types of cancer; the interaction between CD44 and HER2 has been linked to an increase in ovarian carcinoma cell growth. CD44 interacts with ezrin, radixin, and moesin to link the actin cytoskeleton to the plasma membrane and the extracellular matrix. These interactions are critical for CD44 function in cell-cell adhesion and cell motility.