

---

**Product Name: CD44 Mouse Monoclonal Antibody****Catalog #: AMM21968**

For research use only.

**Summary**

<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC,ELISA
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG1,Kappa
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
<b>Purification</b>	The antibody was affinity-purified from ascites by affinity-chromatography using specific immunogen.

**Application**

<b>Dilution Ratio</b>	IHC 1:200-400;ELISA 1:500-5000
<b>Molecular Weight</b>	Calculated MW:81kDa,Observed MW:81kDa

**Antigen Information**

<b>Gene Name</b>	CD44 LHR MDU2 MDU3 MIC4
<b>Alternative Names</b>	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 1;PGP-1;Phagocytic glycoprotein I;PGP-I;CD antigen CD44;
<b>Gene ID</b>	Human:960
<b>SwissProt ID</b>	Human:P16070
<b>Immunogen</b>	Synthesized peptide derived from human CD44 AA range: 100-200

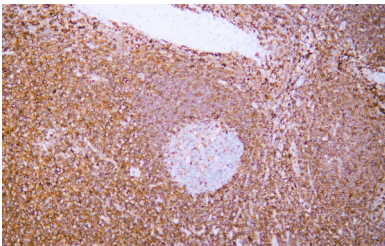
**Background**

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],

## Research Area

Pathology

## Image Data



Human tonsil tissue was stained with Anti-CD44 Antibody