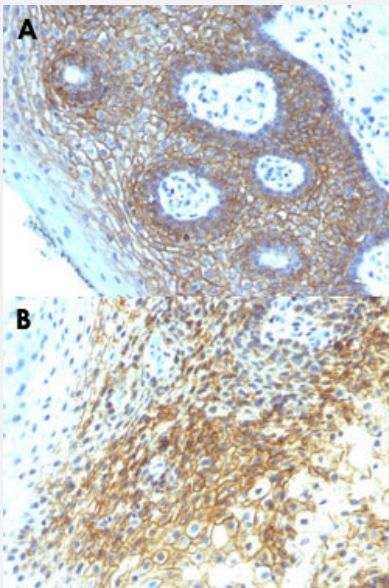


CD44v4 monoclonal antibody, clone CD44v4/1219

Catalog # MAB15064 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cervical squamous cell carcinoma (A) and human tongue squamous cell carcinoma (B) with CD44v4 monoclonal antibody, clone CD44v4/1219 (Cat # MAB15064).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human CD44v4.
Immunogen	Recombinant protein corresponding to human CD44v4.
Host	Mouse
Theoretical MW (kDa)	80-95
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2a, kappa

Recommend Usage

Flow Cytometry (0.5-1 ug/10⁶ cells)
Immunofluorescence (0.5-1 ug/mL)
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer

In 10 mM PBS (0.05% BSA, 0.05% sodium azide).

Storage Instruction

Store at 4°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cervical squamous cell carcinoma (A) and human tongue squamous cell carcinoma (B) with CD44v4 monoclonal antibody, clone CD44v4/1219 (Cat # MAB15064).

- Immunofluorescence
- Flow Cytometry

Gene Info — CD44

Entrez GeneID

[960](#)

Protein Accession#

[P16070](#)

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|GP90 lymphocyte homing/adhesion receptor|Hermes antigen|antigen gp90 homing receptor|cell adhesion molecule|cell surface glycoprotein CD44|chondroitin sulfate proteoglycan

Publication Reference

- [The association of co-expression of CD44v4/MMP-9 with different nodal status in high-grade breast carcinoma patients.](#)

Thanakit V, Sampatanukul P, Ruangvejvorachai P, Keelawat S.

Journal of the Medical Association of Thailand 2005 Sep; 88 Suppl 4:S30.

- [Expression of CD44 variant isoforms and association to the benign form of endocrine pancreatic tumours.](#)

Imam H, Eriksson B, Oberg K.

Annals of Oncology 2000 Mar; 11(3):295.

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](#)