Mouse CD44v9 Monoclonal Antibody | anti-CD44v9 antibody

CD44v9 (Marker of Tumor Metastasis)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214608	**Mouse**	**Human. Others not tested.**	**Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

CD44v9; Monoclonal Antibody; CD44v9 (Marker of Tumor Metastasis); LHR; BA-1; chondroitin sulfate proteoglycan 8 (CSPG8); Epican; Extracellular Matrix Receptor III (ECM III); GP90 Lymphocyte Homing Adhesion Receptor; HCAM; HCELL; hematopoietic cell E- and L-selectin ligand; Heparan Sulfate Proteoglycan; Hermes Antigen; HAS; HUTCH I; Hyaluronate Receptor; Indian blood group; Inlu Related p80 Glycoprotein; Ly 24; MDU2; MDU3; MIC4; MUTCH I; Phagocytic Glycoprotein 1 (PGP-1); anti-CD44v9 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not tested.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	CD44v9/1459
Specificity	This antibody recognizes an epitope encoded by exon v9 on the variant portion of human CD44. The CD44 molecule belongs to a family of cellular adhesion molecules found on a wide range of normal and malignant cells in epithelial, mesothelial and hemopoiesis tissues. CD44 is a single gene with 20 exons, of which 10 are normally expressed to encode the basic CD44 (H-CAM) molecule. The additional 10 exons (v1 to v10) are only expressed by alternative splicing of the nuclear RNA. The expression of specific cell adhesion molecule CD44 splice variants has been reported to be associated with metastasis in certain human malignancies.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	742
Applicable Applications for anti-CD44v9 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant fragment corresponding to the v9 domain of human CD44
Cellular Localization	Cell Surface
Hu-chromosome Location	11p13
Positive Control	Cervix or Tongue Squamous Cell Carcinoma
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody is stable for 12 months Non-hazardous. No MSDS required.

IMAGES

IHC (Immunohistochemisry)
Formalin-paraffin human Prostate Carcinoma stained with CD44 Monoclonal Antibody (CD44v9/1459

IHC (Immunohiostchemistry)
Formalin-paraffin human Tongue Carcinoma stained with CD44 Monoclonal Antibody (CD44v9/1459

IHC (Immunohistochemistry)
Formalin-paraffin human Cervical Carcinoma stained with CD44 Monoclonal Antibody (CD44v9/1459

ADDITIONAL INFORMATION

References	Thanakit V, Sampatanukul P, Ruangvejvorachai P, Keelawat S. The association of co-expression of CD44v4/MMP-9 with different nodal status in high-grade breast carcinoma patients. J Med Assoc Thai. 2005 Sep; 88 Suppl 4:S30-5. H. Imam, B. Eriksson & K. Oberg. Expression of CD44 variant isoforms and association to the benign form of endocrine pancreatic tumours. Annals of Oncology 11: 295-300, 2000.

NCBI AND UNIPROT INFORMATION

NCBI GI #	48255935
NCBI GeneID	960
NCBI Accession #	NP_000601.3
NCBI GenBank Nucleotide #	NP_000601.3
UniProt Accession #	P16070; O95370; P22511; Q04858; Q13419; Q13957; Q13958; Q13959; A5YRN9; B6EAT9; D3DR12; D3DR13
Molecular Weight	80-95kDa
NCBI Official Full Name	CD44 antigen isoform 1
NCBI Official Synonym Full Names	CD44 molecule (Indian blood group)
NCBI Official Symbol	CD44
NCBI Official Synonym Symbols	IN; LHR; MC56; MDU2; MDU3; MIC4; Pgp1; CDW44; CSPG8; HCELL; HUTCH-I; ECMR-III
NCBI Protein Information	CD44 antigen
UniProt Protein Name	CD44 antigen
UniProt Gene Name	**CD44**
UniProt Synonym Gene Names	LHR; MDU2; MDU3; MIC4; ECMR-III; PGP-1; PGP-I

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/cd44v9-antibody-clone-cd44v9-1459-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/214608