

Product datasheet for **TA383937M**

CD44 Rabbit Monoclonal Antibody [Clone ID: R08-5J6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	R08-5J6
Applications:	IHC, WB
Recommended Dilution:	WB: 1/1000 IHC: 1/20
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide of human CD44
Formulation:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Calculated MW: 82 kDa; Observed MW: 82 kDa
Gene Name:	CD44 molecule (Indian blood group)
Database Link:	Entrez Gene 960 Human P16070

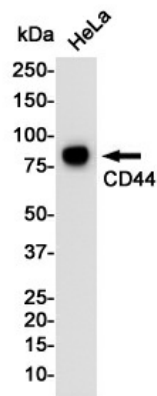
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Background:

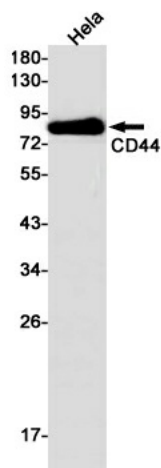
Swiss-Prot Acc.P16070.Receptor for hyaluronic acid (HA). Mediates cell-cell and cell-matrix interactions through its affinity for HA, and possibly also through its affinity for other ligands such as osteopontin, collagens, and matrix metalloproteinases (MMPs). Adhesion with HA plays an important role in cell migration, tumor growth and progression. In cancer cells, may play an important role in invadopodia formation. Also involved in lymphocyte activation, recirculation and homing, and in hematopoiesis. Altered expression or dysfunction causes numerous pathogenic phenotypes. Great protein heterogeneity due to numerous alternative splicing and post-translational modification events. Receptor for LGALS9; the interaction enhances binding of SMAD3 to the FOXP3 promoter, leading to up-regulation of FOXP3 expression and increased induced regulatory T (iTreg) cell stability and suppressive function .

Synonyms:

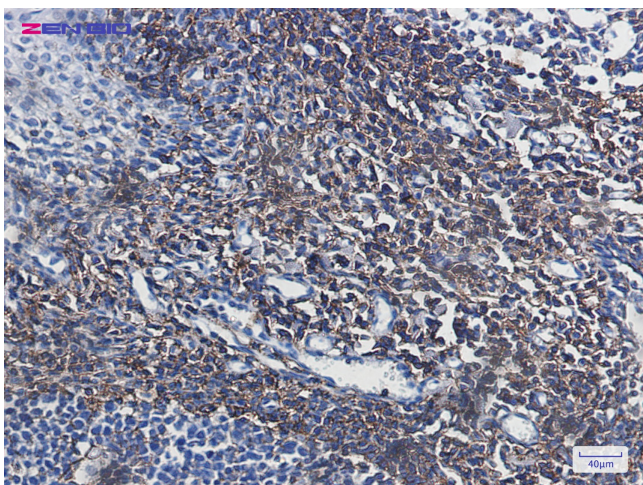
CD44R; CDW44; CSPG8; ECMR-III; Epican; HCELL; HUTCH-I; IN; LHR; MC56; MDU2; MDU3; MGC10468; MIC4; MUTCH-I; PGP-1; PGP-I; Pgp1

Product images:


Western blot detection of CD44 in HeLa cell lysates using CD44 Rabbit mAb(1:1000 diluted).Predicted band size:82KDa.Observed band size:82KDa.



Western blot detection of CD44 in HeLa cell lysates using CD44 Rabbit mAb(1:1000 diluted).Predicted band size:82kDa.Observed band size:82kDa.



Immunohistochemistry of CD44 in paraffin-embedded Human tonsil using CD44 Rabbit mAb at dilution 1/2