Recombinant Human CD44 antigen(CD44),partial

Catalog No: #AP70137

Package Size: #AP70137-1 20ug #AP70137-2 100ug #AP70137-3 1mg

Signalway Antibody
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Support: tech@signalwayantibody.com

Description

Product Name	Recombinant Human CD44 antigen(CD44),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:21-606aaSequence Info:Partial of BC004372
Other Names	CDw44Epican;Extracellular domain matrix receptor III ;ECMR-IIIGP90 lymphocyte homing,adhesion receptor;HUTCH-IHeparan sulfate proteoglycan;Hermes antigen;Hyaluronate receptor;Phagocytic glycoprotein 1 ;PGP-1;Phagocytic glycoprotein I ;PGP-I; CD44
Accession No.	P16070
Calculated MW	80.2 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	QIDLNITCRFAGVFHVEKNGRYSISRTEAADLCKAFNSTLPTMAQMEKALSIGFETCRYGFIEGHVVIPRIHPNSICAANNTGVYILTSNTSQYDTYCFNASAPPEEDCTSVTDLPNAFDGPITITIVNRDGTRYVQKGEYRTNPEDIYPSNPTDDDVSSGSSSERSSTSGGYIFYTFSTVHPIPDEDSPWITDSTDRIPATSTSSNTISAGWEPNEENEDERDRHLSFSGSGIDDDEDFISSTISTTPRAFDHTKQNQDWTQWNPSHSNPEVLLQTTTRMTDVDRNGTTAYEGNWNPEAHPPLIHHEHHEEEETPHSTSTIQATPSSTTEETATQKEQWFGNRWHEGYRQTPREDSHSTTGTAAASAHTSHPMQGRTTPSPEDSSWTDFFNPISHPMGRGHQAGRRMDMDSSHSTTLQPTANPNTGLVEDLDRTGPLSMTTQQSNSQSFSTSHEGLEEDKDHPTTSTLTSSNRNDVTGGRRDPNHSEGSTTLLEGYTSHYPHTKESRTFIPVTSAKTGSFGVTAVTVGDSNSNVNRSLSGDQDTFHPSGGSHTTHGSESDGHSHGSQEGGANTTSGPIRTPQIPE
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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 hatopoiesis. Altered expression or dysfunction causes numerous pathogenic phenotypes. Great protein heterogeneity due to numerous alternative splicing and post-translational modification events.

References

CD44 in normal and neoplastic human cartilage.Bosch P.P., Stevens J.W., Buckwalter J.A., Midura R.J. Sequence analysis of the human CD44 antigen.Wiebe G.J., Freund D., Corbeil D. Sequence analysis of a novel human CD44 variant.Xiang Q., Wang J., Fan C., He X., Huang L., Zhu H., Qiu X., Luo W.Construction of human CD44 eukaryotic vector and its expression in mammary carcinoma cells MCF-7.Fang X., Xu W., Zhang X.The

full-ORF clone resource of the German cDNA consortium.Bechtel S., Rosenfelder H., Duda A., Schmidt C.P., Ernst U., Wellenreuther R., Mehrle A., Schuster C., Bahr A., Bloecker H., Heubner D., Hoerlein A., Michel G., Wedler H., Koehrer K., Ottenwaelder B., Poustka A., Wiemann S., Schupp I.BMC Genomics 8:399-399(2007)Research Topic:Immunology

Note: This product is for in vitro research use only and is not intended for use in humans or animals.