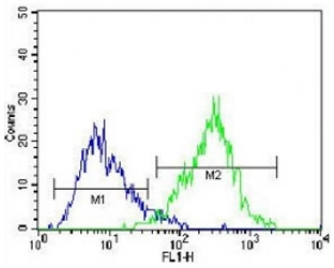
CD138 Antibody / Syndecan-1 [clone 587CT7.3.6.5] (F53713)

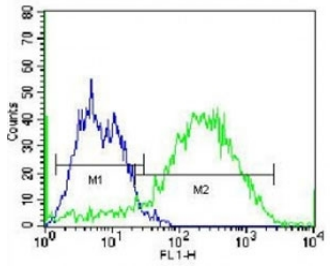
Catalog No.	Formulation	Size
F53713-0.1ML	In ascites with 0.09% sodium azide	0.1 ml

Bulk quote request

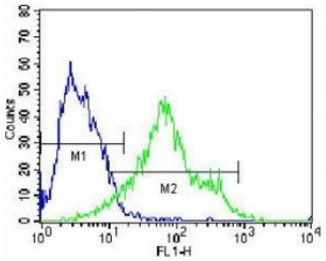
Availability	1-3 business days
Species Reactivity	Human
Format	Ascites
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgM
Clone Name	587CT7.3.6.5
Purity	Ascites
UniProt	P18827
Applications	Western blot: 1:500-1:8000 Flow Cytometry: 1:10-1:50 Immunofluorescence: 1:10-1:50
Limitations	This CD138 antibody is available for research use only.



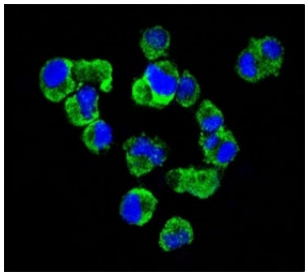
CD138 antibody flow cytometric analysis of U266 cells (right histogram) compared to a negative control (left histogram). Alexa Fluor 488-conjugated donkey anti-mouse IgG secondary Ab was used for the analysis



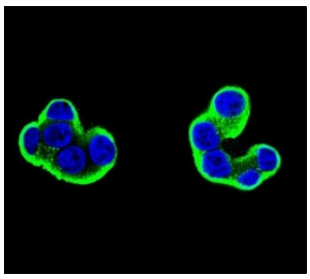
CD138 antibody flow cytometric analysis of T47D cells (right histogram) compared to a negative control (left histogram). Alexa Fluor 488-conjugated donkey anti-mouse IgG secondary Ab was used for the analysis



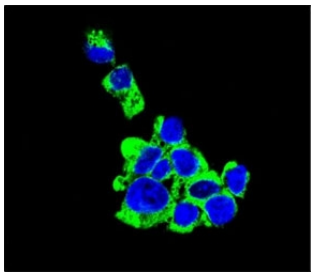
CD138 antibody flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control (left histogram). Alexa Fluor 488-conjugated donkey anti-mouse IgG secondary Ab was used for the analysis



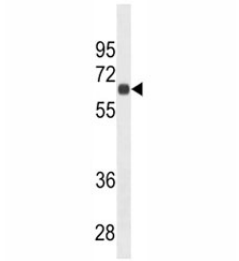
Confocal immunofluorescent analysis of CD138 antibody with U266 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



Confocal immunofluorescent analysis of CD138 antibody with T47D cells followed by secondary Ab (green). DAPI was used as a nuclear counterstain (blue).



Confocal immunofluorescent analysis of CD138 antibody with HepG2 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



CD138 antibody western blot analysis in HepG2 lysate. Predicted molecular weight: 32-95 kDa depending on glycosylation level.

Description

CD138 is a transmembrane (type I) heparan sulfate proteoglycan and is a member of the syndecan proteoglycan family. The syndecans mediate cell binding, cell signaling, and cytoskeletal organization and syndecan receptors are required for internalization of the HIV-1 tat protein. The Syndecan-1/CD138 protein functions as an integral membrane protein and participates in cell proliferation, cell migration and cell-matrix interactions via its receptor for extracellular matrix proteins.

Application Notes

Titration of the CD138 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 210-238 from the human protein was used as the immunogen for this CD138 antibody.

Storage

Aliquot the CD138 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Copyright © NSJ Bioreagents. All rights reserved.