

# Product Datasheet

## Syndecan-1/CD138 Antibody (1A3H4) - BSA Free NBP2-37282

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-37282**

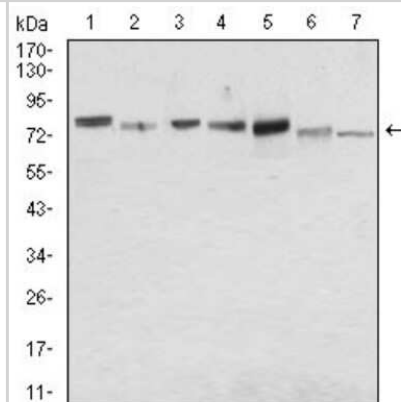
Syndecan-1/CD138 Antibody (1A3H4) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	1A3H4
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	32.5 kDa
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	6382
<b>Gene Symbol</b>	SDC1
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
<b>Immunogen</b>	Purified recombinant fragment of human Syndecan-1/CD138 (AA: 28-171) expressed in E. Coli.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 1:500 - 1:2000, Flow Cytometry 1:200 - 1:400, ELISA 1:10000, Immunohistochemistry 1:200 - 1:1000, Immunocytochemistry/Immunofluorescence 1:200 - 1:1000, Immunohistochemistry-Paraffin 1:200 - 1:1000, CyTOF-ready
<b>Application Notes</b>	This antibody is Cytof ready.

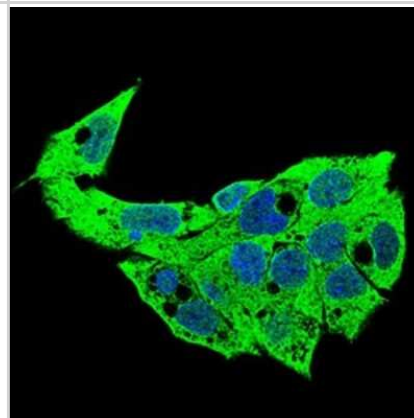


## Images

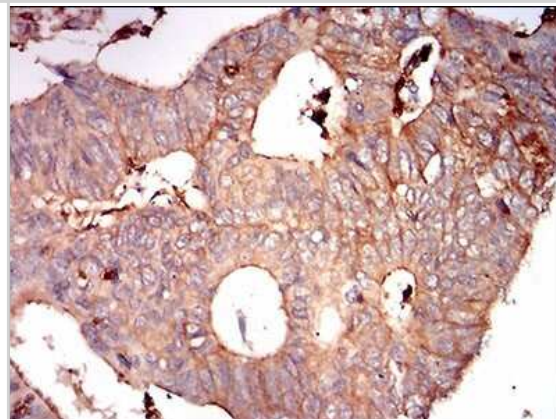
Western Blot: Syndecan-1/CD138 Antibody (1A3H4) [NBP2-37282] - Analysis using SDC1 mouse mAb against MCF-7 (1), HeLa (2), HepG2 (3), T47D (4), SW620 (5), Jurkat (6) and NIH/3T3 (7) cell lysate.



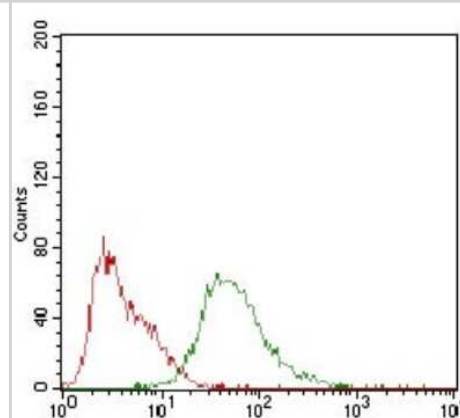
Immunocytochemistry/Immunofluorescence: Syndecan-1/CD138 Antibody (1A3H4) [NBP2-37282] - Analysis of HepG2 cells using SDC1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Goat anti-Mouse IgG (H+L) DyLight 488 secondary antibody was used.



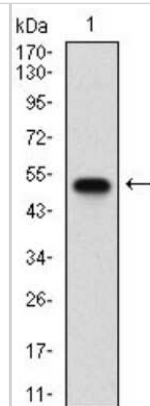
Immunohistochemistry-Paraffin: Syndecan-1/CD138 Antibody (1A3H4) [NBP2-37282] - Analysis of rectum cancer tissues using SDC1 mouse mAb with DAB staining.



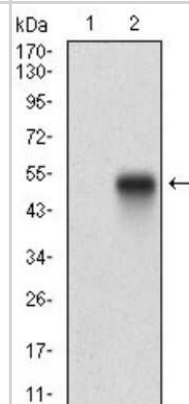
Flow Cytometry: Syndecan-1/CD138 Antibody (1A3H4) [NBP2-37282] - Analysis of HepG2 cells using SDC1 mouse mAb (green) and negative control (red).



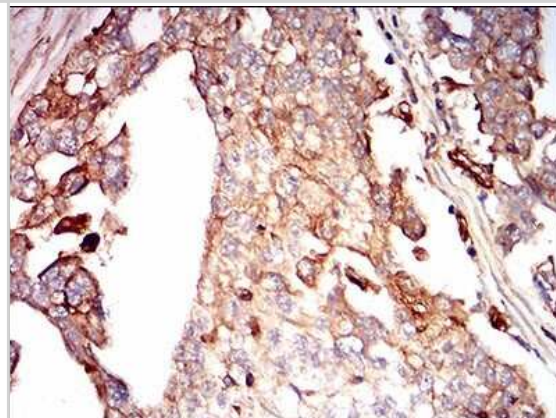
Western Blot: Syndecan-1/CD138 Antibody (1A3H4) [NBP2-37282] - Analysis using SDC1 mAb against human SDC1 (AA: 28-171) recombinant protein. (Expected MW is 44.4 kDa)



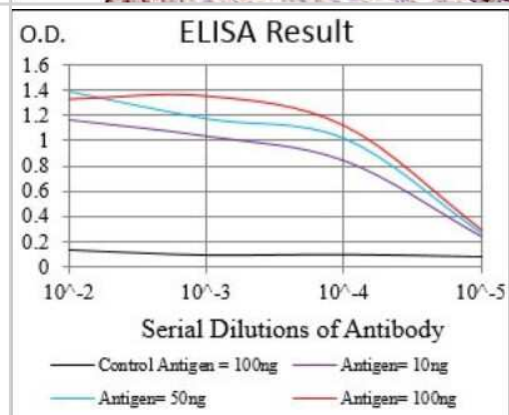
Western Blot: Syndecan-1/CD138 Antibody (1A3H4) [NBP2-37282] - Analysis using SDC1 mAb against HEK293 (1) and SDC1 (AA: 28-171)-hlgGfc transfected HEK293 (2) cell lysate.



Immunohistochemistry-Paraffin: Syndecan-1/CD138 Antibody (1A3H4) [NBP2-37282] - Analysis of ovarian cancer tissues using SDC1 mouse mAb with DAB staining.



ELISA: Syndecan-1/CD138 Antibody (1A3H4) [NBP2-37282] - Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



## Publications

Ponandai-Srinivasan S, Saare M, et al. Syndecan-1 modulates the invasive potential of endometrioma via TGF-beta signalling in a subgroup of women with endometriosis. Hum Reprod 2020-10-01 [PMID: 32897364] (Simple Western, Human)



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### **Products Related to NBP2-37282**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP3-16984PEP	Syndecan-1/CD138 Recombinant Protein Antigen

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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