

Mouse Anti-CD138 [B-A38]: MC0510, MC0510RTU7

Intended Use: For Research Use Only

Description: CD138, also known as Syndecan-1, is a member of the transmembrane heparan sulfate proteoglycan family, acts as an extracellular matrix receptor and is involved in many cellular functions, including cell-cell adhesion and cell-matrix adhesion. CD138 expression is found in both hematopoietic and non-hematopoietic cells. In the hematopoietic system, CD138 labels plasma cells. It is an excellent marker for plasmacytic differentiation within the spectrum of hematologic malignancy. Among non-hematolymphoid cells, CD138 reactivity is observed in many types of epithelial cells and stoma cells in both normal and tumor tissues.

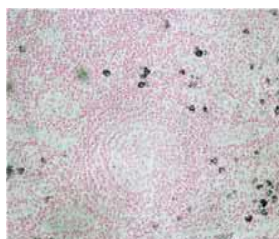
Specifications:

Clone: B-A38
Source: Mouse
Isotype: IgG1
Reactivity: Human
Localization: Membrane
Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃).
Storage: Store at 2°- 8°C
Applications: IHC
Package:

Description	Catalog No.	Size
CD138 Concentrated	MC0510	1 ml
CD138 Prediluted	MC0510RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Tonsil, plasmacytoma
Concentrated Dilution: 25-100
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual
* Result should be confirmed by an established diagnostic procedure.



FFPE human lymph node stained with anti-CD138 using DAB

References:

1. Placental Sequestration of Plasmodium falciparum Malaria Parasites Is Mediated by the Interaction Between VAR2CSA and Chondroitin Sulfate A on Syndecan-1. Ayres Pereira M, et al. PLoS Pathog 12:e1005831, 2016.
2. 122p53, a mouse model of 133p53a, enhances the tumor-suppressor activities of an attenuated p53 mutant. Slatter TL, et al. Cell Death Dis 6:e1783, 2015.
3. Loss of corneal epithelial heparan sulfate leads to corneal degeneration and impaired wound healing. Coulson-Thomas VJ, et al. Invest Ophthalmol Vis Sci 56:3004-14, 2015.

Doc. 100-MC0510
Rev. A