

Background

CD138 (syndecan 1) is a transmembrane proteoglycan that can bind a variety of cytokines and modulate their activity, as well as the activity of extracellular matrix components and influence many developmental processes. CD138 is expressed mainly in differentiating keratinocytes and is transiently upregulated in all layers of the epidermis upon tissue injury. It is also highly expressed on plasma cells and can be detected even on fibroblasts, vascular smooth muscle cells and endothelial cells. Up-regulation and down-regulation of CD138 on the cell surface often correlates with the gain of cancerous characteristics. Serum levels of the shedded soluble sCD138 are used as a prognostic factor of cancerogenesis.

Host Species

Mouse

Clone

5G4

Application

IHC

Property

1: 500

State

Liquid

Positive Control

Human Tonsil Tissues

Clonality

Monoclonal

Synonym

SDC1, Syndecan, SYND1, CD138

Research Field

Cancer Drug Targets

Source

Mouse

Isotype

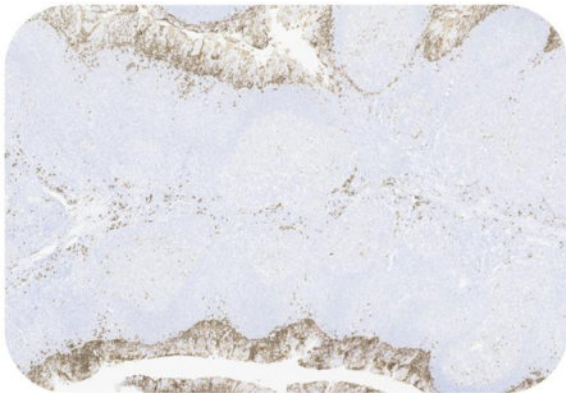
IgG

Storage

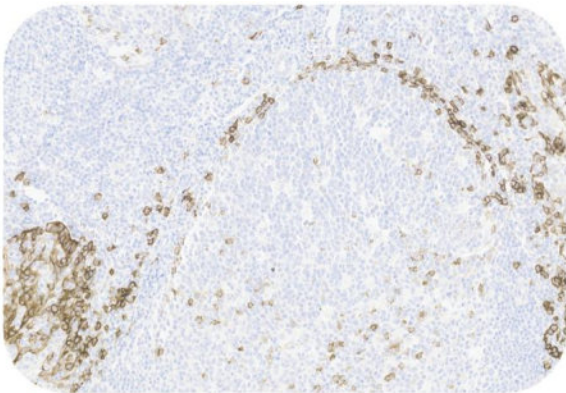
Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.

Typical Data

Control Sample



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-CD138 Antibody, Mouse (5G4) (HGS-S253)  
Human Tonsil Tissue, 4X



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-CD138 Antibody, Mouse (5G4) (HGS-S253)  
Human Tonsil Tissue, 20X

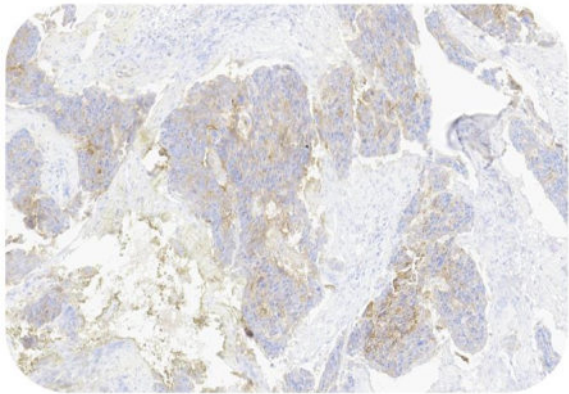
Immunohistochemical analysis of paraffin embedded Human tonsil tissue labelled with HGS-S253 at 1/500 dilution. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Cancer Sample

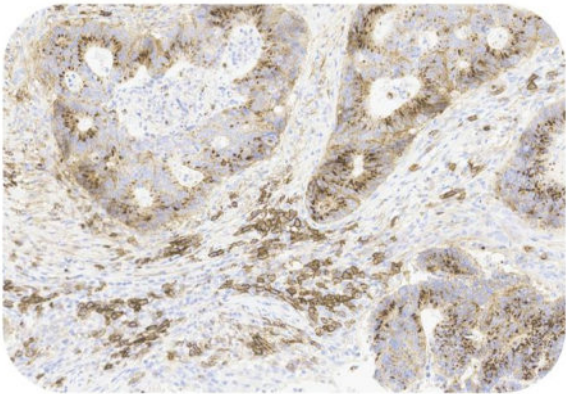


Recombinant Monoclonal Anti-CD138 Antibody, Mouse (5G4)

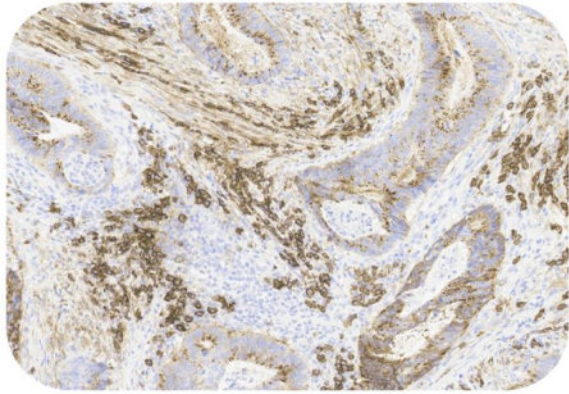
Catalog # HGS-S253



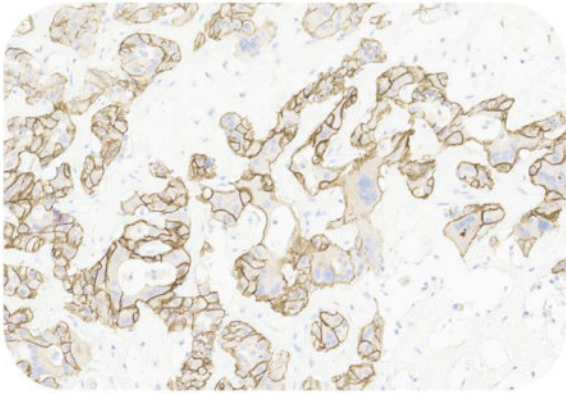
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-CD138 Antibody, Mouse (5G4) (HGS-S253)  
Human Cervical Cancer, 20X



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-CD138 Antibody, Mouse (5G4) (HGS-S253)  
Human Colorectal Cancer, 20X



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-CD138 Antibody, Mouse (5G4) (HGS-S253)  
Human Colorectal Cancer, 20X



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) -Recombinant Monoclonal Anti-CD138 Antibody, Mouse (5G4) (HGS-S253)  
Human Liver Cancer, 20X

Immunohistochemical analysis of paraffin embedded human cancer tissue labelled with HGS-S253 at 1/500 dilution.  
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Clinical and Translational Updates

Please contact us via [TechSupport@acrobiosystems.com](mailto:TechSupport@acrobiosystems.com) if you have any question on this product.

