

CD138 Antibody

Datasheet

For Research Use Only

Description	Catalog No.	Size
CD138 Concentrate	FP-A010-01	0.1 ml
CD138 Concentrate	FP-A010-10	1 ml
CD138 Predilute	FP-A010-70	7 ml
CD138 Predilute	FP-A010-250	25 ml

Description

Cluster of differentiation 138 (CD138), also known as Syndecan-1, is a transmembrane glycoprotein present on the surface of B-cells during late stage differentiation. Anti-CD138 is used to differentiate marginal zone lymphoma from lymphoplasmacytic lymphoma. ALK+ Large B-Cell Lymphoma (LBCL) commonly stains positively for CD138, but not for CD20 and CD79a. Anti-CD138 reacts positively with HHV8-associated primary effusion lymphoma that lack B-cell markers. CD138 is also a useful marker for identifying and enumerating benign, reactive, or malignant plasma cells from the bone marrow biopsy samples.

Specifications

Clone	IHC138
Source	Mouse Monoclonal
Applications	IHC (P)
Formulation	Tris Buffer, pH 7.3 - 7.7, with 1% BSA and <0.1% Sodium Azide

IHC Procedure*

Positive Control Tissue	Tonsil
Dilution Range	1:50 – 1:200
Pretreatment	Perform heat-induced epitope retrieval (HIER) at pH for 10 to 30 minutes
Incubation Time and Temp	10 to 30 minutes at room temperature
Detection	Refer to the corresponding user manual for detection system

Result

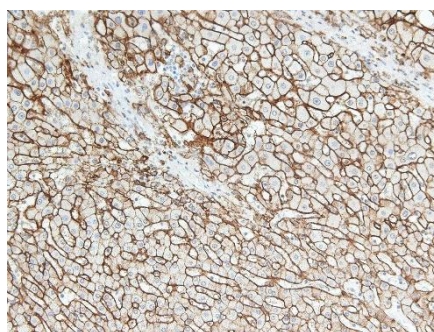


Figure CD138 on Liver Cancer

Storage and Handling

Must store the reagent at 2-8 °C. Do not freeze. Do not use the reagent after expiration date on vial. To ensure proper stability and delivery of the antibody after each run, replace the cap and immediately place the bottle in a refrigerator in an upright position. Positive and negative controls should be simultaneously run with unknown specimens, as there are no conclusive characteristics to suggest instability of the antibody.

Precautions

The product is for research use only. Do not use for diagnosis purpose. Ensure proper handling procedures are used with all reagents. Always wear laboratory coats, disposable gloves, and other appropriate laboratory equipment when handling reagents. Do not ingest reagents, and avoid contact with eyes and mucous membranes. Wash eyes with copious amounts of water if contact occurs.

References

1. **Chilosi M**, et al. “CD138/syndecan-1: a useful immunohistochemical marker of normal and neoplastic plasma cells on routine trephine bone marrow biopsies.” *Mod Pathol.* 1999; 12:1101-6.
2. **Sebestyén A**, et al. “Syndecan-1 (CD138) expression in human non-Hodgkin lymphomas.” *Br J Haematol.* 1999; 104:412-9.
3. **Bayer-Garner IB**, et al. “Syndecan-1 (CD138) immunoreactivity in bone marrow biopsies of multiple myeloma: shed syndecan-1 accumulates in fibrotic regions.” *Mod Pathol.* 2001; 14:1052-8.
4. **O’Connell FP**, et al. “CD138 (syndecan-1), a plasma cell marker immunohistochemical profile in hematopoietic and nonhematopoietic neoplasms.” *Am J Clin Pathol.* 2004; 121:254-63.
5. **Colomo L**, et al. “Diffuse large B-cell lymphomas with plasmablastic differentiation represent a heterogeneous group of disease entities.” *Am J Surg Pathol.* 2004; 28:736-47.
6. **Carbone A**, et al. “Differential expression of BCL-6, CD138/syndecan-1, and Epstein-Barr virus-encoded latent membrane protein-1 identifies distinct histogenetic subsets of acquired immunodeficiency syndrome-related non-Hodgkin's lymphomas.” *Blood.* 1998; 91:747-55.

Technical Support

Contact FemtoPath Technical Support at +886232338585 or email to femtopath@hongjing.com.tw for assistance with more questions regarding this product.