

Mouse Monoclonal anti-CD138 (Syndecan-1), Clone MI15

60-0108; 60-0108-7	6 mL; 7 mL predilute Antibody, Ready-To-Use
61-0108-2	0.2 mL Concentrate Antibody
Isotype	IgG1
Concentration	See container label

Intended Use For In Vitro Diagnostic Use.

This product is used to qualitatively detect CD138 normal and neoplastic formalin fixed paraffin embedded (FFPE) tissue sections in immunohistochemical detection methodology. Interpretation must be made within the context of the patient's clinical history and other diagnostic test by a qualified pathologist.

Description CD138, also known as syndecan-1, is expressed in stratified and simple epithelia, and late stages of B-cell differentiation. CD138 expression is reduced during malignant transformation of various epithelia. CD138 is rapidly shed by myeloma cells entering into apoptosis, which makes CD138 a marker of viable myeloma cells. CD138 is also expressed in endothelial cells, fibroblasts, keratinocytes and normal hepatocytes.

The antibody labels normal and neoplastic plasma cells. It is useful for the identification of malignancies involving terminally differentiated plasma cells e.g. multiple myeloma. Various forms of Hodgkin's disease have also been shown positive staining with this antibody.

Reagent provided This antibody is diluted in 10 mM Phosphate buffered saline (PBS), pH 7.2 containing 1% bovine serum albumin (BSA) and 0.09% sodium azide (NaN₃) as antimicrobial agent.

Precautions For professional users.

Proper handling of this product as with any product derived from biological sources according to local and applicable regulations.

Sodium azide is a toxic chemical. The concentration in this product is not classified as hazardous, however, the build-ups of NaN₃ may react with lead and copper plumbing to form highly explosive metal azides. Flush the disposed reagent with large volume of water to prevent azide build-up.

Usage

Dilution 60-0108; 60-0108-7: Ready-To-Use
61-0108-2: Dilute 1:50 to 1:100 before use. Dilution guideline when using Acu-Stain™ detection system. Optimum dilution factor may vary depending on the specimen and preparation process and should be determined by each individual investigator.

Staining procedure Incubate this antibody with tissue section for 30-60 minutes at room temperature. Follow the instructions from the selected detection system.

Positive control tissue Myeloma, esophagus

Epitope retrieval HIER using Tris Buffer pH 9

Staining pattern Membrane

Storage Store at 2-8°C.

References

- Costes V, et al. Hum Pathol 1999;30:1405-11.
- Jourdan M, et al. Br J Haematol 1998;100:637-46.

Symbols

				
Catalog No.	Batch No.	In Vitro Diagnostic Use	Temperature Range	Use By