



PRODUCT DATA SHEET

Product: Anti-CD138 mAb, clone MI15

Cat. No.: MC-418 (1 mL)

Synonym:

Syndecan-1

Background:

CD138 is a transmembrane heparin sulphate proteoglycan which is made up of one core protein and five glycosaminoglycans. CD-138 is expected to play a role in cell adhesion. It is expressed on the surface of pre-B cells and plasma cells but is absent from mature B cells. It is a selective marker for B cell lymphoblastic leukemia and lymphoplasmocytoid leukemia. It is lost from the apoptotic myeloma cells; hence is a useful marker for viable myeloma cells.

Species Reactivity:

Human. Other species not tested.

Ig Isotype:

Mouse IgG₁/κ

Immunogen:

U-266 cells

Mol. Wt. of Antigen:

30.5 kDa (core protein), 85-92 kDa (depending on glycosaminoglycans)

Epitope:

Ectodomain

Positive Control:

U-266 cells, tonsil

Cellular Localization:

Cell membrane

Format:

1 mL of tissue culture supernatant with 0.09% sodium azide.

Storage:

Store at 4°C.

Applications and Suggested Dilutions:

- Immunoprecipitation
- Western blotting
- Immunohistochemistry: (Formalin/paraffin)
Use at a 1:10-1:20 dilution for 30 minutes at room temperature. Staining of formalin-fixed tissue REQUIRES boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 minutes followed by cooling for 20 minutes at room temperature.

The optimal dilution for a specific application should be determined by the researcher.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.