Antibodies

**Anti-Human CD138 (Syndecan-1) Antibody, Clone MI15, FITC**

**Description:**

Mouse monoclonal IgG1 antibody against human, rhesus, cynomolgus CD138 (syndecan-1), FITC-conjugated

**Catalog Numbers:**

- #60003FI
- #60003FI.1

- 100 tests 5 μL/test
- 25 tests 5 μL/test

**Target Antigen Name:** CD138 (Syndecan-1)

**Alternative Names:** B-B4, SDC1, syndecan-1

**Gene ID:** 6382

**Species Reactivity:** Human, Rhesus, Cynomolgus, Cotton-topped Tamarin

**Host Species:** Mouse

**Clonality:** Monoclonal

**Clone:** MI15

**Isotype:** IgG1, kappa

**Immunogen:** A combination of human-derived U266 and XG-1 myeloma cell lines

**Conjugate:** FITC

**Applications**

- Verified: FC
- Reported: FC

**Special Applications:** This antibody clone has been verified for purity assessments of cells isolated with EasySep™ Human CD138 Positive Selection Kit (Catalog #18357) and EasySep™ Human Whole Blood CD138 Positive Selection Kit (Catalog #18387).

**Properties**

- **Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) bovine serum albumin

- **Purification:** The antibody was purified by affinity chromatography and conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

- **Stability and Storage:** Product stable at 2 - 8°C when stored undiluted. Do not freeze. Protect product from prolonged exposure to light. For product expiry date, please contact techsupport@stemcell.com.

- **Directions for Use:** For flow cytometry the suggested use of this antibody is 5 μL per 1 x 10^6 cells in 100 μL volume or per 100 μL of whole blood. It is recommended that the antibody be titrated for optimal performance for each application.

**Abbreviations:** CellSep: Cell separation; ChIP: Chromatin immunoprecipitation; FA: Functional assay; FC: Flow cytometry; ICC: Immunocytochemistry; IF: Immunofluorescence microscopy; IHC: Immunohistochemistry; IP: Immunoprecipitation; WB: Western blotting
Data

![Flow cytometry analysis](image)

Flow cytometry analysis of human U266 myeloma cells labeled with Anti-Human CD138 (Syndecan-1) Antibody, Clone MI15, FITC (filled histogram) or a mouse IgG1, kappa FITC isotype control antibody (open histogram).

Related Products

For a complete list of antibodies, including other conjugates, sizes and clones, as well as related products available from STEMCELL Technologies, please visit our website at www.stemcell.com/antibodies or contact us at techsupport@stemcell.com.

References

2. Costes V, et al. The M15 monoclonal antibody (anti-syndecan-1) is a reliable marker for quantifying plasma cells in paraffin-embedded bone marrow biopsy specimens. Hum Pathol 30(12): 1405-11, 1999 (IHC)

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