

ANTI-HUMAN CD38 FITC

**FITC-Conjugated Mouse Monoclonal Antibody Against Human CD38
Clone AT-1**

Catalog # 10415

100 tests

SPECIFICITY:

CD38 is expressed on plasma cells, monocytes, NK cells, activated T and B cells and on progenitor cells for most blood cell lineages. CD38 is expressed on CD34⁺ cells that are committed to lineage-specific differentiation. Hematopoietic stem cells and primitive progenitor cells are within the ~5% of CD34⁺ cells that are CD38-negative or CD38-low.

Clone AT-1 is recommended for detection of residual CD38⁺ cells after primitive progenitor cell enrichment using the StemSep Human Primitive Progenitor Enrichment Cocktail (cat no. 14057,14067).

CLONE: AT-1

ISOTYPE: IgG₁κ (mouse)

FORMAT:

FITC-conjugated antibody in 2 ml phosphate buffered saline (PBS) containing 0.1% (w/v) bovine serum albumin and 0.1% (w/v) sodium azide.

STABILITY AND STORAGE:

Store at 4°C. Do not freeze. Product is stable for at least 6 months.

APPLICATIONS AND DIRECTIONS FOR USE:

Flow cytometry:

Recommended amount per 1x10⁶ cells in a volume of 100 µL: 20 µL

Appropriate conditions should be established for each application.

Cell separation: Positive selection of CD38⁺ cells with StemCell's reagents for immunomagnetic cell separation. Please contact us for more information.

**THIS REAGENT IS FOR RESEARCH ONLY.
IT IS NOT TO BE ADMINISTERED TO HUMANS.**

Hazardous Ingredient: Sodium Azide. Avoid exposure to skin and eyes, ingestion and contact with heat, acids and metals. Wash exposed skin with soap and water. Flush eyes with water. Dilute with running water before discharging into plumbing.

REFERENCES:

1. Barclay AN, Brown MH, Law SKA, McKnight AJ, Tomlinson MG, van der Merwe PA, eds. 1997. The Leukocyte Antigens Facts Book, 2nd Edition, CD38. Academic Press, NY, p 226-227.
2. Kishimoto T et al. Eds.1998. Leukocyte Typing VI. White Cell Differentiation Antigens. Garland Publishing Inc, New York NY, p1137-1138.
3. Terstappen LW, Huang S, Safford M, Lansdorp PM, Loken MR: Sequential generations of hematopoietic colonies derived from single nonlineage-committed CD34+CD38- progenitor cells. Blood 77:1218-1227, 1991.