SANTA CRUZ BIOTECHNOLOGY, INC.

# Forssman Antigen (M1/87): sc-23939

## BACKGROUND

The Forssman Antigen is a glycolipid heterophil protein that is expressed in the tissues of many species, most notably sheep, and is not present in human, rat or rabbit cells. The Forssman Antigen was named after the Swedish pathologist John F. Forssman and was later identified as the GalNAc(1-3)/GalNAc (1-R) disaccharide group. Forssman Antigen specificity was described in many animal species, plants and bacteria. In mouse, Forssman Antigen is a developmental and differentiation-associated antigen. Expression of Forssman Antigen in macrophages can be modulated by cytokines.

## REFERENCES


1. Springer, T., et al. 1978. Monoclonal xenogeneic antibodies to murine cell surface antigens: identification of novel leukocyte differentiation antigens. Eur. J. Immunol. 8: 539-551.
2. Stern, P.L., et al. 1978. Monoclonal antibodies as probes for differentiation and tumor-associated antigens: a Forssman specificity on teratocarcinoma stem cells. Cell 14: 775-783.
3. Bethke, U., et al. 1987. Forssman glycolipid, an antigenic marker for a major subpopulation of macrophages from murine spleen and peripheral lymph nodes. J. Immunol. 138: 4329-4335.
4. Monner, D.A., et al. 1993. Surface expression of Forssman glycosphingolipid antigen on murine bone marrow-derived macrophages is subject to both temporal and population-specific regulation and is modulated by IL-4 and IL-6. Immunobiology 188: 82-98.
5. Leenen, P.J., et al. 1994. Markers of mouse macrophage development detected by monoclonal antibodies. J. Immunol. Methods 174: 5-19.


## SOURCE

Forssman Antigen (M1/87) is a rat monoclonal antibody raised against C57BL/10 mouse spleen T lymphocytes.

## PRODUCT

Each vial contains 200 µg IgM in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Also available azide-free for complement-mediated hemolysis. Also binds to and agglutinates sheep erythrocytes., sc-23939 L, 200 µg/0.1 ml.

Forssman Antigen (M1/87) is available conjugated to either phycoerythrin (sc-23939 PE) or fluorescein (sc-23939 FITC), 200 µg/ml, for WB (RGB), IF, IHC(P) and FCM.

## APPLICATIONS

Forssman Antigen (M1/87) is recommended for detection of Forssman Antigen of mouse, rat, human and ovine origin by flow cytometry (1 µg per 1 x $10^6$ cells).

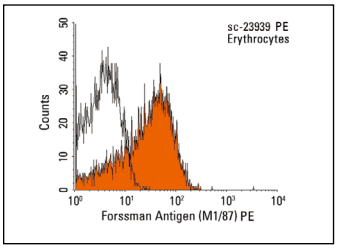
## STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.

## DATA




Forssman Antigen (M1/87): sc-23939. Indirect FCM analysis of sheep erythrocytes stained with Forssman Antigen (M1/87), followed by PE-conjugated goat anti-rat IgM. Black line histogram represents the isotype control, normal rat IgM: sc-3885.

## SELECT PRODUCT CITATIONS


1. Soliman, C., et al. 2020. The terminal sialic acid of stage-specific embryonic antigen-4 has a crucial role in binding to a cancer-targeting antibody. J. Biol. Chem. 295: 1009-1020.


## PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.