

AM12114PU-N**Monoclonal Antibody to SSEA3 - Aff - Purified**

Alternate names:	SSEA-3, Stage-Specific Embryonic Antigen-3
Quantity:	25 µg
Concentration:	0.5 mg/ml
Background:	SSEA3 (stage-specific mouse embryonic antigen) is a cell-surface protein involved in cell differentiation. Cell surface antigens are powerful tools for characterizing the function and expression of developmentally regulated cells during both embryogenesis and oncogenesis.
Host / Isotype:	Rat / IgM
Clone:	MC-631
Immunogen:	4-8 cell stage Mouse embryos.
Format:	State: Liquid purified Ig fraction. Purification: Affinity Chromatography. Buffer System: PBS containing 0.05% BSA and 0.05% Sodium Azide.
Applications:	Flow (Cell Surface): 0.5 µg/10e6 cells. Immunofluorescence/Immunocytochemistry. Immunohistochemistry. Immunoprecipitation. Western Blot. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts with the Stage-Specific Embryonic Antigen-3 (SSEA-3). The epitope is expressed on the surface of Human teratocarcinoma stem cells , embryonic carcinoma (EC) cells, Human embryonic germ(EG) cells and Human embryonic stem (ES) cells. Expression of SSEA-3 diminishes with differentiation of Human EC cells. Species: Human and Mouse. Other species not tested.
Storage:	Store the antibody (in aliquots) at -20°C Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Kannagi, R., et al. (1983). EMBO J. 2, 2355-2361. 2. Andrews, P.W., et al. (1982). Int. J. Cancer 29, 523-531.

Pictures:

Figure 1. Cell surface staining of NCCIT cells using 0.5 μg of SSEA3 antibody (Cat#AM12114PU-N). Green: Isotype Control Red: anti-SSEA3 antibody. A PE-conjugated Goat anti-Rat Ig secondary was used for this test (cells were not fixed for testing).

