

Product datasheet for **AM12114PU-N**

SSEA3 Rat Monoclonal Antibody [Clone ID: MC-631]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MC-631
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	Flow (Cell Surface): 0.5 µg/10e6 cells. Immunofluorescence/Immunocytochemistry. Immunohistochemistry. Immunoprecipitation. Western Blot.
Reactivity:	Human, Mouse
Host:	Rat
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	4-8 cell stage Mouse embryos.
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.
Formulation:	PBS containing 0.05% BSA and 0.05% Sodium Azide. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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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.

Synonyms: SSEA-3, Stage-Specific Embryonic Antigen-3

Product images:

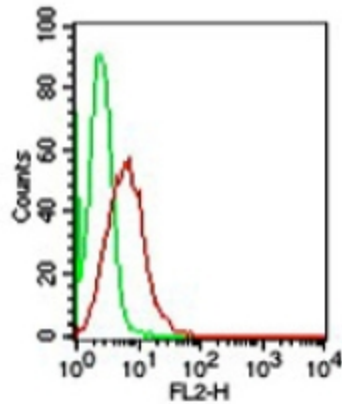


Figure 1. Cell surface staining of NCCIT cells using 0.5 g of SSEA3 antibody (Cat#AM12114PU-N). Green: Isotype Control Red: anti-SSEA3 antibody. A PE-conjugated Goat anti-Rat Ig secondary was used for this test (cells were not fixed for testing).