SSEA-3 anti-Human/Mouse Antibody

Catalog Number: ST11014

Size 100 µL
Concentration 0.5 mg/mL
Species Reactivity Human, Mouse
Host Rat Monoclonal
Clone MC-631
Isotype IgM
Immunogen 4-8 cell stage mouse embryos
Formulation Aqueous buffer, 0.09% sodium azide.
Storage and Stability Store at 2-8°C. Stable for 6 months from date of receipt when stored as directed.
Applications Tested Flow Cytometry (FC), Immunocytochemistry/Immunofluorescence (ICC/IF)
Recommended Dilutions
Flow Cytometry 1:100
Immunocytochemistry/Immunofluorescence 1:100
It is recommended that the antibody be titrated for optimal performance for each application.

Description
This antibody recognizes the stage-specific embryonic antigen-3 (SSEA-3) that is expressed upon the surface of human teratocarcinoma stem (EC), embryonic germ (EG), embryonic stem (ES), and induced pluripotent stem (iPS) cells. No immunoreactivity is evident with undifferentiated murine EC, ES and EG cells. Expression of SSEA-3 is down regulated following differentiation of human EC cells. In contrast, the differentiation of murine EC and ES/iPS cells may be accompanied by an increase in SSEA-3 expression.

Alternative Names Stage-specific embryonic antigen 4

References
Kannagi, R., et al. (1983) Stage-specific embryonic antigens (SSEA-3 and -4) are epitopes of a unique globo-series ganglioside isolated from human teratocarcinoma cells. EMBO J 2: 2355-2361. PMID: 6141938

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