



RAT ANTI-SSEA-3 MONOCLONAL ANTIBODY

CATALOG NUMBER: MAB4303

LOT NUMBER:

QUANTITY: 100 µg

CONCENTRATION: 1 mg/mL

SPECIFICITY: This antibody reacts with the Stage-specific embryonic antigen-3 (SSEA-3) that is expressed upon the surface of human tetracarcinoma stem cells (EC), human embryonic germ cells (EG) and human embryonic stem cells (ES). 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 cells may be accompanied by an increase in SSEA-3 expression.

IMMUNOGEN: 4-8 cell stage mouse embryos

ISOTYPE: IgM

CLONE NAME: MC-631

APPLICATIONS: Immunohistochemistry
Immunofluorescence (refer to the attached figure).
FACS Analysis: a starting range of 10-20 µg/mL is suggested.
EIA

Optimal working dilutions must be determined by the end user.

SPECIES REACTIVITIES: Refer to comments regarding specificity

FORMAT: Purified Immunoglobulin

PRESENTATION: Liquid in 0.05M Potassium Phosphate, 0.3M NaCl pH 8.0 with 0.05% Sodium Azide.

STORAGE/HANDLING: Maintain refrigerated at 2-8°C in undiluted aliquots for up to 6 months after date of receipt.

REFERENCES:
Shevinsky L.H et. al. (1982). Cell 30: 697-705.
Kannagi R. et. al. (1983). EMBO Journal 2: 2355-2361.
Fenderson B.A. et. al. (1987). Dev. Biol. 122: 21-34.
Shambrott M.J. et. al. (1998). PNAS 95: 13726-13731.
Thomson J.A. et. al. (1998). Science 282: 1145-1147.
Henderson J.K. et. al. (2002). Stem Cells 20: 329-337.



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