



RAT ANTI-SSEA-3 MONOCLONAL ANTIBODY

CATALOG NUMBER:	MAB4303
LOT NUMBER:	
QUANTITY:	100 µg
CONCENTRATION:	1 mg/mL
SPECIFICITY:	<p>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.</p> <p>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.</p>
IMMUNOGEN:	4-8 cell stage mouse embryos
ISOTYPE:	IgM
CLONE NAME:	MC-631
APPLICATIONS:	<p>Immunohistochemistry Immunofluorescence (refer to the attached figure). FACS Analysis: a starting range of 10-20 µg/mL is suggested. EIA</p> <p>Optimal working dilutions must be determined by the end user.</p>
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:	<p>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. Shamblott 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.</p>



Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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