

# SSEA-4 Antibody (Clone MC-813-70)

**CATALOG #:** 3074-25

**AMOUNT:** 25 μg

HOST: Mouse

**ISOTYPE:** Mouse IgG3, κ-chain

**CLONE#**: MC-813-70

**PURIFICATION:** Protein G affinity purified

IMMUNOGEN: Human embryonal carcinoma cell line 2102Ep

SPECIES REACTIVITY: Human

### ANTIBODY FORMULATION:

 $25 \mu g$  in  $50 \mu l$  of PBS containing 0.05% BSA and 0.05% Sodium Azide.

## STORAGE CONDITIONS

Store at -20°C. Avoid repeated freeze-thaw cycles.

## **DESCRIPTION:**

This antibody reacts with the Stage-specific embryonic antigen-4 (SSEA-4) that is expressed upon the surface of human teratocarcinoma stem cells (EC), human embryonic germ (EG) cells) and human embryonic stem (ES) cells. No immunoreactivity is evident with undifferentiated murine EC, ES and EG cells. Expression of SSEA-4 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-4 expression.

## APPLICATIONS:

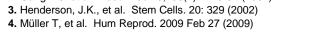
Flow(Cell Surface): 0.1 ug/10<sup>6</sup> cells IHC (paraffin): reported in literature

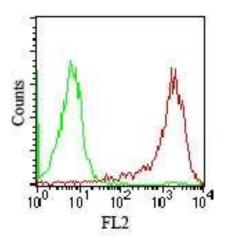
IP: reported in literature

Western blot analysis: reported in literature

#### REFERENCES:

- 1. Kannagi, R., et al., EMBO J. 2: 2355 (1983)
- **2.** Gang E.J. et al. Blood. Feb 15;109(4):1743-51 (2007)





Cell surface flow cytometric analysis of SSEA-4 on 2102Ep cells using 0.1 ug/10<sup>6</sup> cells of 3074-25 (green histogram represents isotype control; red represents SSEA-4 antibody).

#### **RELATED PRODUCTS:**

- SSEA-4 Monoclonal Antibody (Cat. No. 3074-25)
- SSEA-1 Monoclonal Antibody (Cat. No. 3063-25)
- TRA-1-60 Monoclonal Antibody (Cat. No. 3079-25)
- TRA-1-81 Monoclonal Antibody (Cat. No. 3082-25)