

**FITC anti-human SSEA-5**

**Catalog # / Size:** 2376035 / 25 tests  
2376040 / 100 tests

**Clone:** 8E11

**Isotype:** Mouse IgG1,  $\kappa$

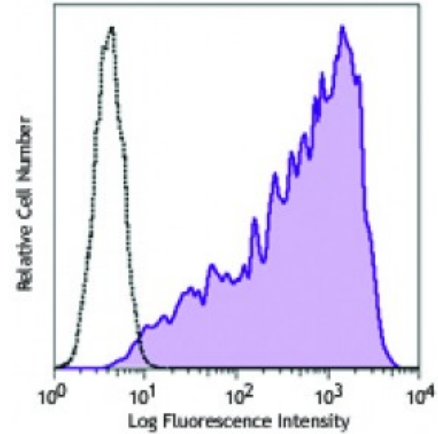
**Immunogen:** Human embryonic stem cells

**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography and conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

**Concentration:** Lot-specific



Human teratocarcinoma cell line NCCIT, was stained with SSEA-5 (clone 8e11) FITC (filled histogram) or mouse IgG1,  $\kappa$  FITC isotype control (open histogram).

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** Additional reported applications (for the relevant formats) include: immunohistochemical staining of frozen tissue sections<sup>1</sup> and immunoprecipitation<sup>1</sup>.

**Application References:** 1. Tang C, *et al.* 2011. *Nat Biotechnol.* 29:829. (IHC, IP)

**Description:** Stage-Specific Embryonic Antigen-5 (SSEA-5) is an oligosaccharide that contains the motif Fuc1-2Gal $\beta$ 1-3GlcNAc $\beta$ , which is characteristic of H-1 antigens. SSEA-5 is expressed on undifferentiated embryonic stem cells and pluripotent stem cells. It is developmentally regulated, and its expression is lost with cell differentiation.

**Antigen References:** 1. Andrews PW. 2011. *Nat. Biotechnol.* 29:803.  
2. Itskovitz-Eldor J. 2011. *Cell. Stem. Cell.* 9:291.