

Product Datasheet

H/M Pluripotent Stem Cell Flow Cytometry Kit FMC001-NOV

Unit Size: 25 Tests

Store at 4C in the dark.

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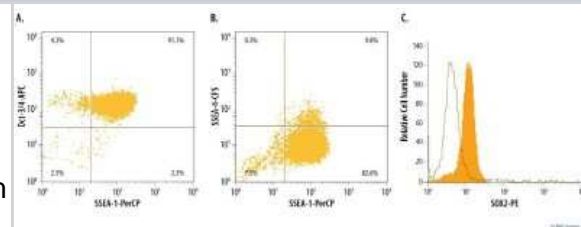
FMC001-NOV**H/M Pluripotent Stem Cell Flow Cytometry Kit**

Product Information	
Unit Size	25 Tests
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Store at 4C in the dark.
Product Description	
Description	<p>This product is designed for the flow cytometric analysis of human/mouse PSCs using four fluorochrome-conjugated antibodies. Features</p> <ul style="list-style-type: none"> • Verifies stem cell pluripotency • Defines starting population to reduce variability • Simultaneously detects four markers of pluripotency • Does not require the use of secondary antibodies
Species	Human, Mouse
Kit Components	<p>Positive Marker: 250 uL of SOX2-PE Mouse IgG2A; Clone 245610, Positive Marker: 250 uL of Oct-3/4-APC Rat IgG2B; Clone 240408, Marker (Positive for human; Negative for mouse): 250 uL of SSEA-4-CFS Mouse IgG3; Clone MC-813-70, Marker (Positive for mouse; Negative for human): 250 uL of SSEA-1-PerCP Mouse IgM; Clone MC-480, 250 uL of Mouse IgG2A-PE Isotype Control, 250 uL of Rat IgG2B-APC Isotype Control, 250 uL of Mouse IgG3-CFS Isotype Control, 250 uL of Mouse IgM-PerCP Isotype Control, 30 mL of 1X Fixation/Permeabilization Buffer, 30 mL of 1X Permeabilization/Wash Buffer</p>
Product Application Details	
Applications	Flow Cytometry
Recommended Dilutions	Flow Cytometry

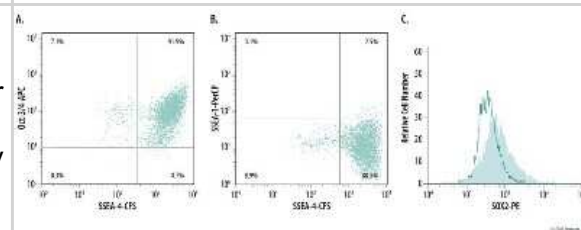


Images

Flow Cytometry: H/M Pluripotent Stem Cell Flow Cytometry Kit [FMC001-NOV] - Mouse D3 embryonic stem cells were stained using reagents included in the Human/Mouse Embryonic Stem Cell Multi-Color Flow Cytometry Kit. Cells were analyzed for expression of pluripotent markers including SSEA-1, SSEA-4, Oct-3/4, and SOX2 by flow cytometry. A. Flow cytometric analysis shows that 91.1% of mouse D3 embryonic stem cells are positive for both Oct-3/4 and SSEA1 expression. B. Flow cytometric analysis data shows that 82.6% of mouse D3 embryonic stem cells are positive for SSEA-1 and negative for SSEA-4 a phenotype consistent with mouse embryonic stem cells. C. Flow cytometric analysis shows that mouse D3 embryonic stem cells express the pluripotent marker SOX2.



Flow Cytometry: H/M Pluripotent Stem Cell Flow Cytometry Kit [FMC001-NOV] - BG01V human embryonic stem cells were stained using reagents included in the Human/Mouse Pluripotent Stem Cell Multi-Color Flow Cytometry Kit. Cells were simultaneously analyzed for expression of pluripotent markers including SSEA-1, SSEA-4, Oct-3/4, and SOX2 by flow cytometry. A. Flow cytometry data shows that 91.9% of BG01V human embryonic stem cells are positive for both Oct-3/4 and SSEA4 expression. B. Flow cytometry data shows that 88.5% of BG01V human embryonic stem cells are positive for SSEA-4 and negative for SSEA-1, a phenotype consistent with human embryonic stem cells. C. Flow cytometric analysis shows that BG01V human embryonic stem cells express the pluripotent marker SOX2.





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