

Product Datasheet

Human Mesenchymal Stem Cell Flow Cytometry Kit FMC002-NOV

Unit Size: 25 Tests

Store at 4C in the dark.

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FMC002-NOV**Human Mesenchymal Stem Cell Flow Cytometry Kit**

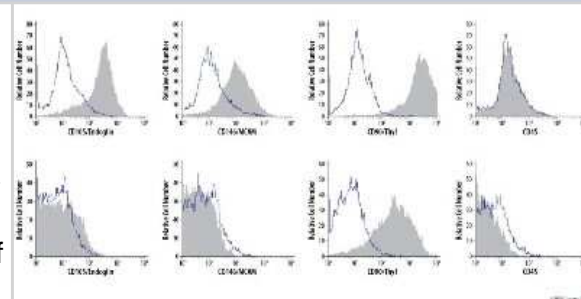
Product Information	
Unit Size	25 Tests
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Store at 4C in the dark.

Product Description	
Description	<p>This product is designed for the flow cytometric analysis of human MSCs using four fluorochrome-conjugated antibodies. Features</p> <ul style="list-style-type: none"> • Verifies MSC identity in less than 2 hours • Conjugated antibodies allow for single step staining • Defines the starting cell population • Multiple markers reduce experimental variation
Species	Human
Kit Components	<p>Positive Marker: 250 uL of CD105/Endoglin-PerCP Mouse IgG1; Clone 166707, Positive Marker: 250 uL of CD146/MCAM-CFS Mouse IgG1; Clone 128018, Positive Marker: 250 uL of CD90/Thy1-APC Mouse IgG2A; Clone Thy-1A1, Negative Marker: 250 uL of CD45-PE Mouse IgG1; Clone 2D1, 250 uL of Mouse IgG1-PE Isotype Control, 250 uL of Mouse IgG2A-APC Isotype Control, 250 uL of Mouse IgG1-CFS Isotype Control, 100 mL of 1X Staining Buffer, 250 uL of Mouse IgG1-PerCP Isotype Control</p>

Product Application Details	
Applications	Flow Cytometry
Recommended Dilutions	Flow Cytometry

Images

Flow Cytometry: Human Mesenchymal Stem Cell Flow Cytometry Kit [FMC002-NOV] - Undifferentiated (A) and osteocyte-differentiated (B) human mesenchymal stem cells were stained with the indicated antibodies (filled histograms) or the corresponding isotype control (open histograms), using the Human Mesenchymal Stromal Cell Multi-Color Flow Cytometry Kit (Catalog # FMC002-NOV). Multi-color flow cytometry simultaneously detected cells that were positive for MSC markers (CD105/Endoglin, CD146/MCAM, and CD90/Thy1). Following 21 days of osteocyte-differentiation, the cells showed a characteristic reduction in CD105/Endoglin, CD146/MCAM, and CD90/Thy1 staining. CD45 is a negative control for both cell types.





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Kits are guaranteed for 6 months from date of receipt.

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