

Product Datasheet

Mouse Mesenchymal Stem Cell Flow Cytometry Kit FMC003-NOV

Unit Size: 25 Tests

Store at 4C in the dark.

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FMC003-NOV**Mouse Mesenchymal Stem Cell Flow Cytometry Kit**

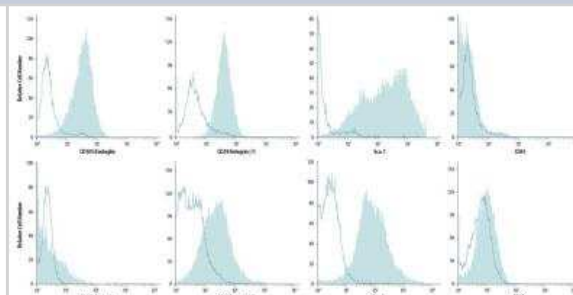
Product Information	
Unit Size	25 Tests
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Store at 4C in the dark.

Product Description	
Description	<p>This product is designed for the flow cytometric analysis of mouse 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	Mouse
Kit Components	<p>Positive Marker: 250 uL of CD105/Endoglin-CFS Rat IgG2A; Clone 209701, Positive Marker: 250 uL of CD29/Integrin beta1-PE Rat IgG2A; Clone 265917, Positive Marker: 250 uL of Sca-1-APC Rat IgG2A; Clone 177228, Negative Marker: 250 uL of CD45-PerCP Rat IgG2B; Clone 30-F11, 250 uL of Rat IgG2A-PE Isotype Control, 250 uL of Rat IgG2A-APC Isotype Control, 250 uL of Rat IgG2A-CFS Isotype Control, 250 uL of Rat IgG2B-PerCP Isotype Control, 100 mL of 1X Staining Buffer</p>

Product Application Details	
Applications	Flow Cytometry
Recommended Dilutions	Flow Cytometry

Images

Flow Cytometry: Mouse Mesenchymal Stem Cell Flow Cytometry Kit [FMC003-NOV] - Undifferentiated mouse mesenchymal stem cells were stained with the indicated antibodies (open histograms) or the corresponding isotype controls (filled histograms) using the Mouse Mesenchymal Stromal Cell 4-Color Flow Cytometry Kit (Catalog # FMC003-NOV). The data show that mouse MSCs have the expected phenotype (positive CD105, CD29, and Sca-1; negative for CD45). B. Osteocyte-differentiated mouse MSCs were stained with the indicated antibodies (open histograms) or the corresponding isotype control (filled histograms), as described in the procedure. Osteocyte-differentiated (20 days) cells show a characteristic reduction in CD105, CD29, and Sca-1 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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