

Cell line name	MHHi034-A
Bank ID	MB01
Passage No.	p15
Date of testing	25.10.2024
Protocol	7.03.0 Validation of pluripotency capacity by Trilineage differentiation with Miltenyi kit

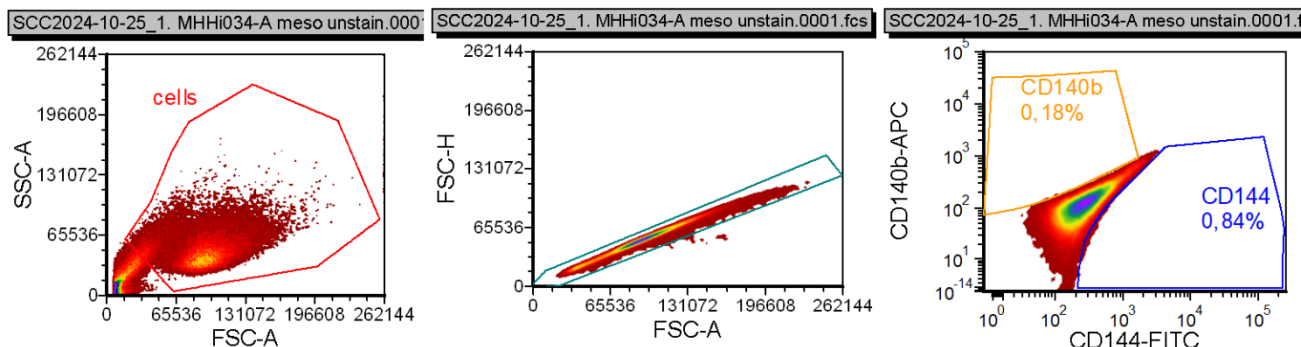
### Method

Test was performed regarding the StemMACS Trilineage Differentiation Kit, human (MACS Miltenyi Biotec, Cat-No. 130-115-660). The 7-day assay enables direct differentiation of pluripotent stem cells into ecto-, meso and endoderm. The resulting cell population was measured by FACS analysis.

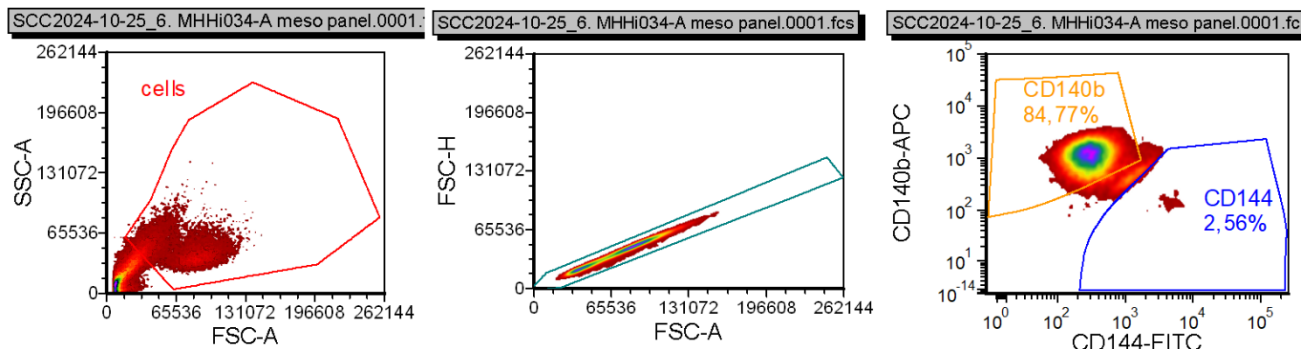
### Result

#### Mesoderm

Neg. control

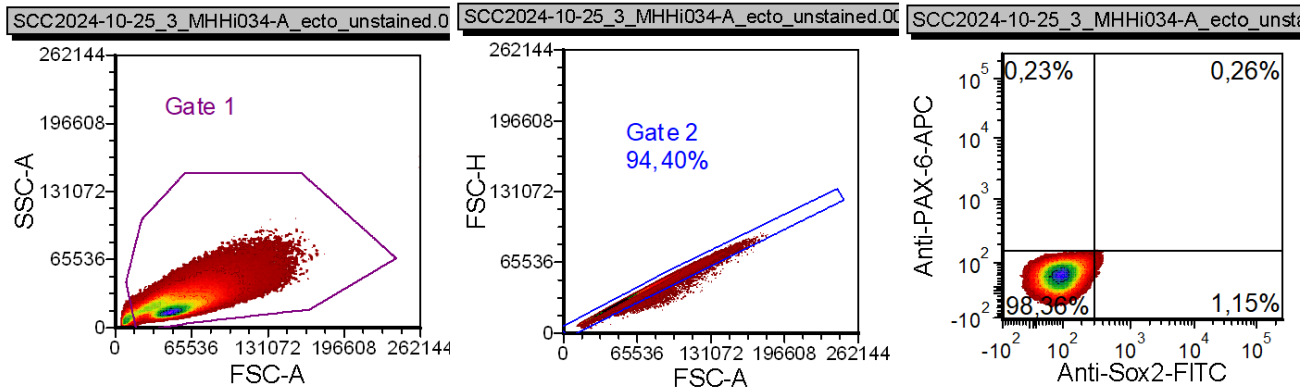


Human Anti-  
CD140b-APC  
CD144-FITC

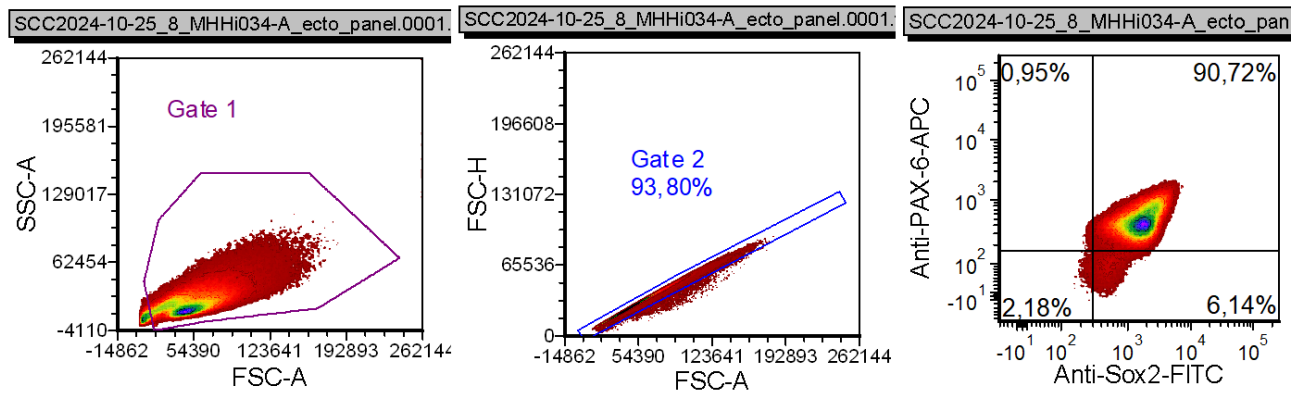


## Ectoderm

Neg. control

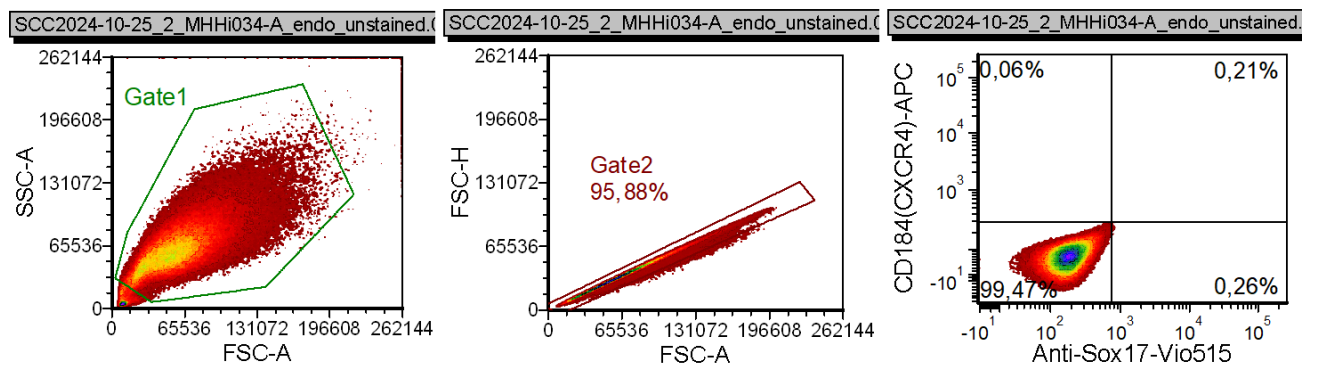


Human Anti-PAX-6-APC  
Sox2-FITC

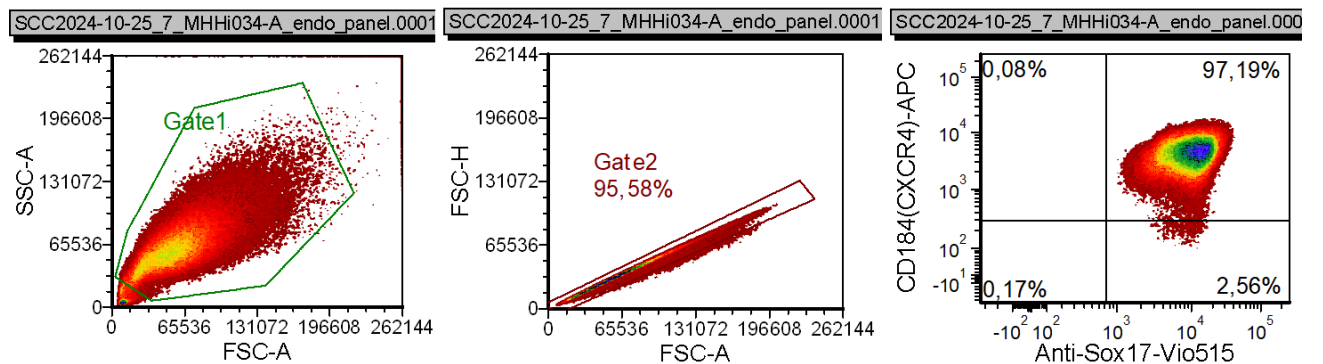


## Endoderm

Neg. control



Human Anti-CD184  
(CXCR4)-APC  
Anti-Sox17-Vio515



**Conclusion**

The cell line shows potency to differentiate into mesoderm, ectoderm and endoderm lineages. The lineage markers CD140b, CD144 (Mesoderm), Sox2, Pax6 (Ectoderm) and Sox17, CD184 (Endoderm) showed positive FACS results.

Date: 31.10.2024