

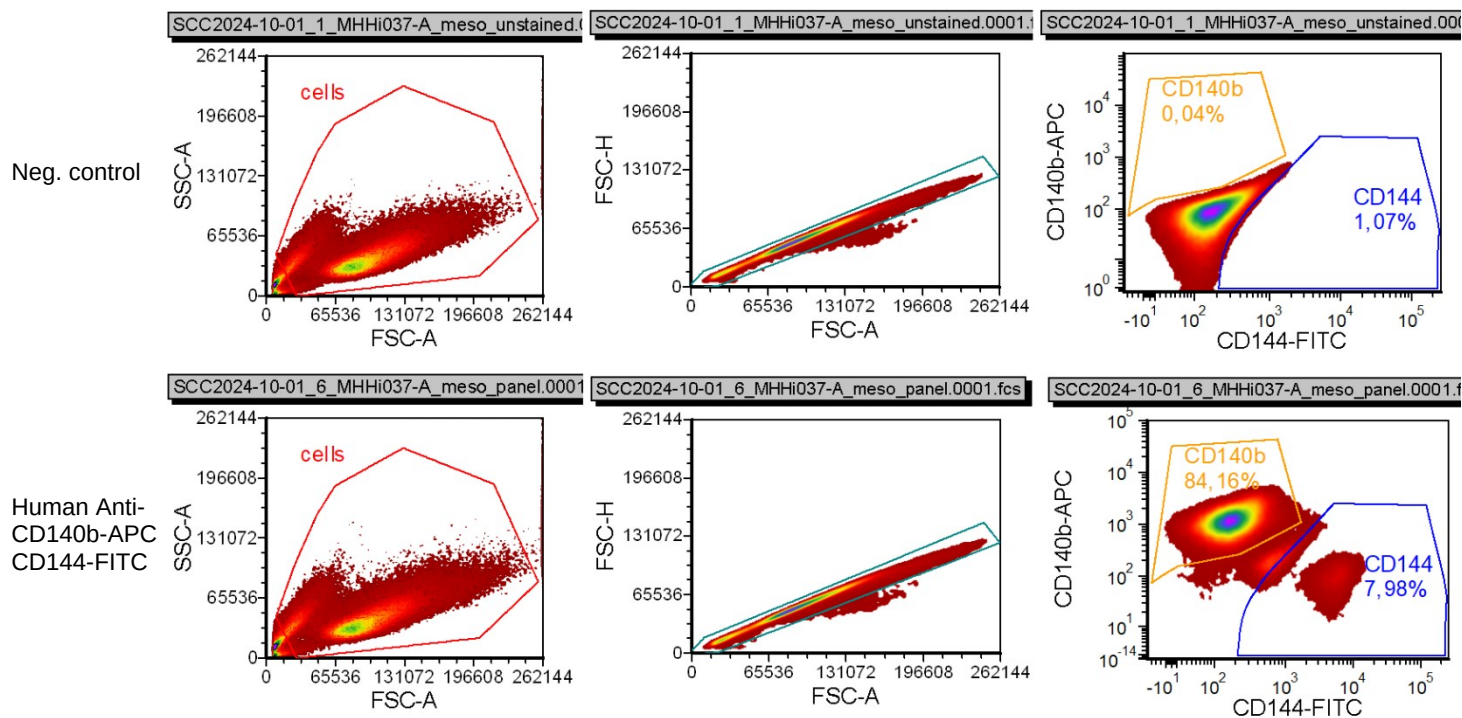
| | |
|------------------------|--|
| Cell line name | MHHi037-A |
| Bank ID | MB01 |
| Passage No. | 10 |
| Date of testing | 04.10.2024 |
| Protocol | 7.03.0 Validation of pluripotency capacity by Trilineage differentiation with Miltenyi kit |

Method

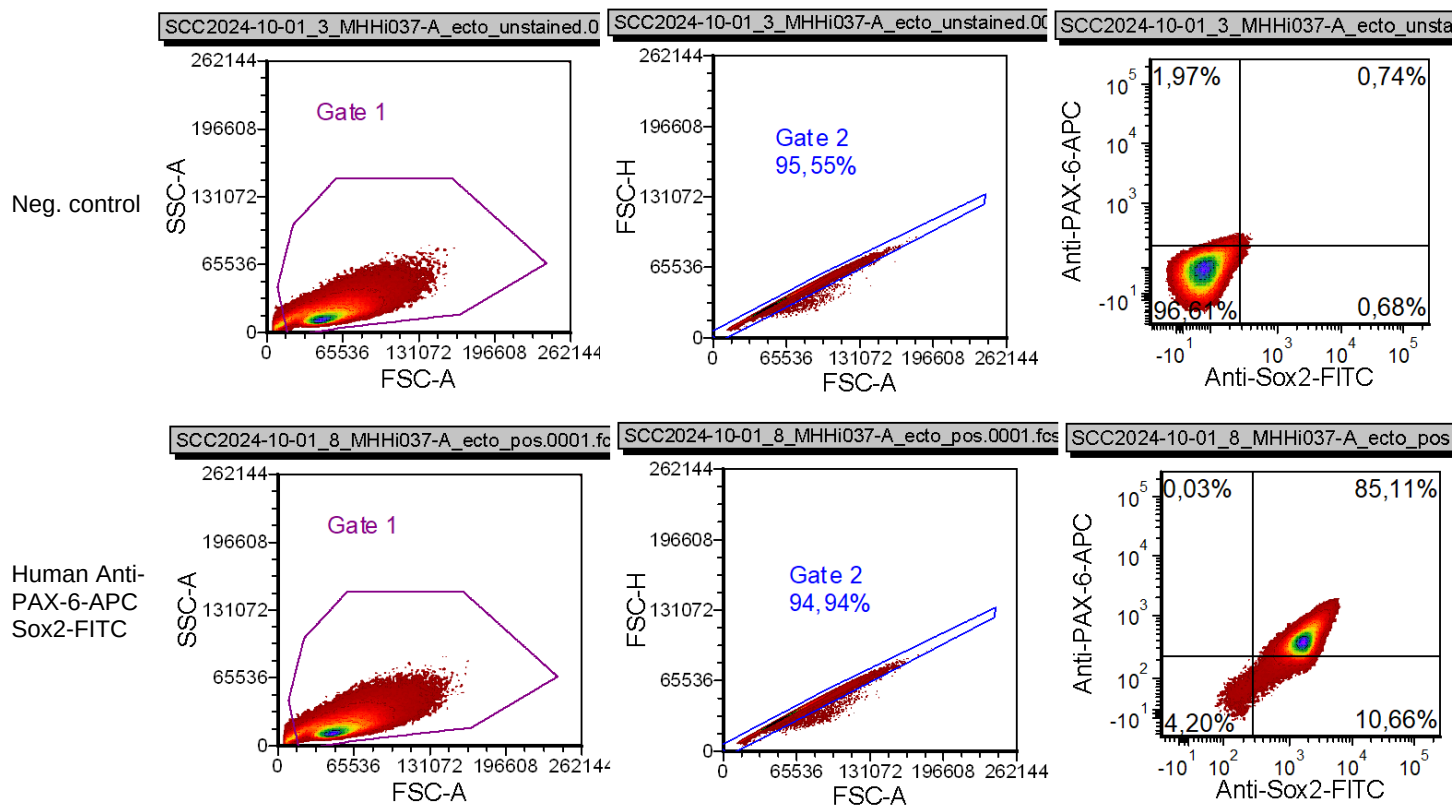
Test was performed regarding the StemMACS Trilineage Differentiation Kit, human (MACS Miltenyi Biotec, Cat-No. 130-115-660). The 7-day assay enables direct differentiation of pluripotent stem cells into ecto-, meso and endoderm. The resulting cell population was measured by FACS analysis.

Result

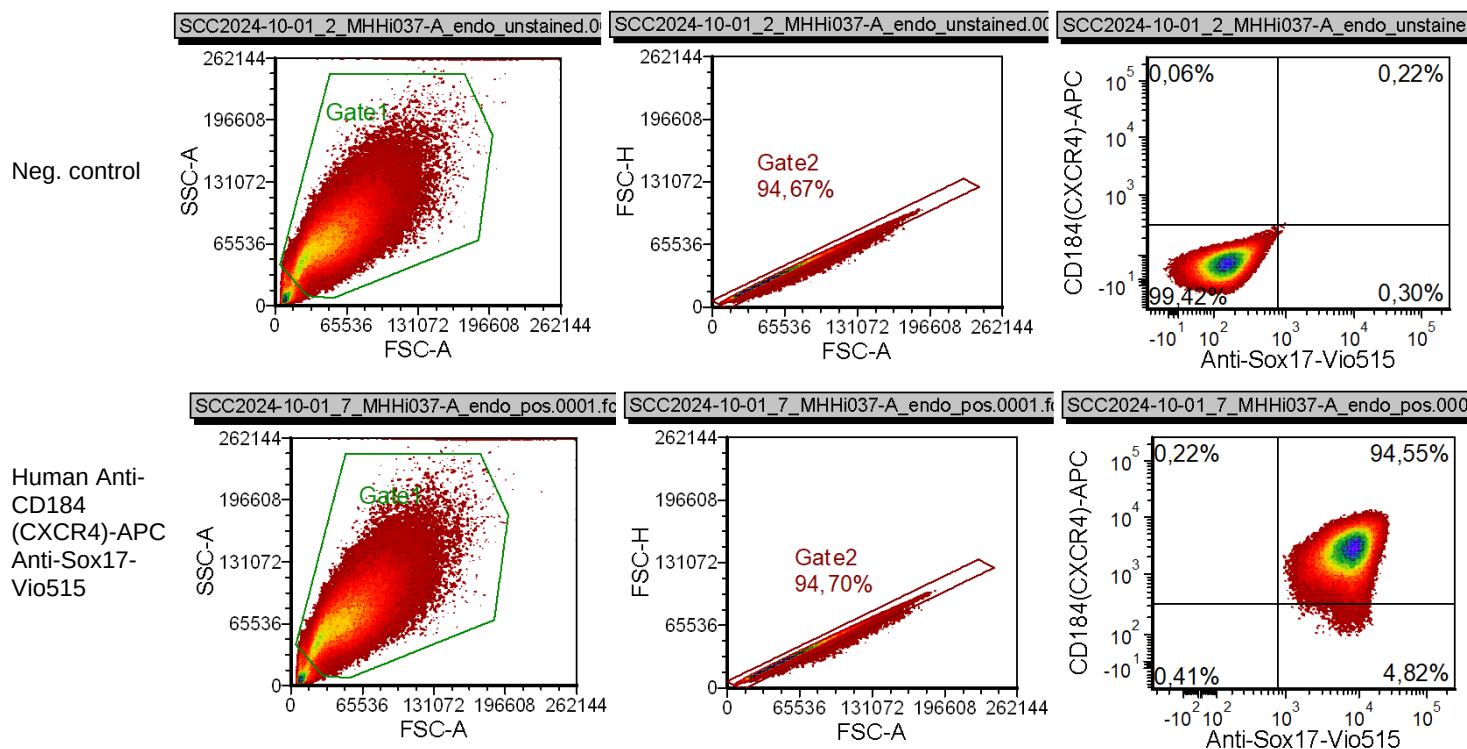
Mesoderm



Ectoderm



Endoderm



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: 08.10.2024