

JIM1 Cell Line

Catalogue number: 151449

Sub-type: Primary

Images:

Contributor

Inventor: M.S. Hamilton

Institute: University of Birmingham

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: JIM1 Cell Line

Alternate name:

Class:

Conjugate:

Description: JIM1 was established from plasma myeloma cells derived from pleural fluid of an advanced multiple myeloma patient, and is homoplastic with the cell line JIM3. It allows in vitro study and comparison of genetic instability in myeloma tumour lines and in vitro study of the effects of DNA repair deficiency in myeloma tumour lines. JIM1 shows typical plasma cell phenotype (CD38, PCA-1 8A and CD24 positive), deficient in DNA repair.

Purpose:

Parental cell:

Organism: Human

Tissue: Blood

Model: Tumour line

Gender: Female

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties: Suspension

Production details: Derived from plasma myeloma cells from pleural fluid of advanced multiple myeloma female patient.

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes: STR profiling showed that this cell line is of female origin

Target details

Target:

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:

Application notes: STR profiling showed that this cell line is of female origin

Handling

Format: Frozen

Concentration:

Passage number:

Growth medium: Dexter culture medium, consisting of Fischer's medium + 20% FCS +10⁻⁷ M hydrocortisone sodium succinate. Seed at 2-9 x 10⁵ cells/cm³ 5% CO₂; 37°C

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions: Dry ice

Related tools

Related tools:

References

References: Tippimanchai et al. 2018. Oncoimmunology. 7(6):e1438105. PMID: 29872579. ; Seshadri et al. 2018. Front Pharmacol. 9:759. PMID: 30061830. ; Pelaz et al. 2017. ACS Nano. 11(3):2313-2381. PMID: 28290206. ; Ismail et al. 2000. Cancer Res. 60(5):1173-6. PMID: 10728668. ; Layton et al. 1984. Br J Cancer. 49(4):415-21. PMID: 6324836. ; Heterogeneity in a spontaneous mouse lung carcinoma: selection and characterisation of stable metastatic variants. ; Franks et al. 1976. Cancer Res. 36(3):1049-55. PMID: 1253168. ; Metastasizing tumors from serum-supplemented and serum-free cell lines from a C57BL mouse lung tumor.

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