JIM3 Cell Line

Catalogue number: 151450
Sub-type: Primary
Images:

Contributor

Inventor: M.S. Hamilton
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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: JIM3 Cell Line

Alternate name:

Class:
Conjugate:
Description: JIM3 was established from plasma myeloma cells derived from pleural fluid of an advanced multiple myeloma patient, and is homoplastic with the cell line JIM1. 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. JIM3 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:
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 10 5 cells/cm3 5% CO2; 37??Â°C
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions:
Shipping conditions: Dry ice

Related tools

Related tools:

References

References: Brito et al. 2009. Haematologica. 94(1):78-86. PMID: 19059936. ; MMSET deregulation affects cell cycle progression and adhesion regulons in t(4;14) myeloma plasma cells. ; Leone et al. 2008. Clin Cancer Res. 14(19):6033-41. PMID: 18829482. ; Deletions of CDKN2C in multiple myeloma: biological and clinical implications. ; Velangi et al. 2004. Carcinogenesis. 25(10):1795-803. PMID: 15142887. ; DNA mismatch repair pathway defects in the pathogenesis and evolution of myeloma. ; Hamilton et al. 1991. Leukemia. 5(9):768-71. PMID: 1943229. ; Normal and neoplastic human plasma cells express bcl-2 antigen.