

Gamma2A Jak2 Cell Line

Catalogue number: 151681

Sub-type: Continuous

Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Gamma2A Jak2 Cell Line

Alternate name:

Class:

Conjugate:

Description: The Gamma2A Jak2 Cell Line has been developed by expressing protein tyrosine kinase JAK2 in a mutant cell line defective in the interferon-gamma signal transduction pathway. By using this cell line, the structural and functional analysis of JAK2 in IFN-gamma signalling has been examined. The cell line revealed that the specificity of JAK may lie mainly in their structural interaction with different receptors and signalling proteins rather than in the substrate specificity of their kinase dom...

Purpose:

Parental cell: HT 1080

Organism: Human

Tissue:

Model: Transgenic

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details: The human sarcoma cell line HT 1080 was transfected with a vector encoding a selectable marker (guanine phosphoribosyltransferase) regulated by gamma interferon to create the

parent 2C4- gamma 2A cell line. This cell line was then co-transfected with expression construct coding for JAK2.

Formulation:

Recommended controls: HT 1080 parental line

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Gamma2A Jak2

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:

Application notes:

Handling

Format: Frozen

Concentration:

Passage number:

Growth medium: DMEM with 10% v/v heat-inactivated FCS and 400ug/ml G418 plus 0.5 ug/ml puromycin

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions: Liquid Nitrogen

Shipping conditions: Dry ice

Related tools

Related tools: 2C4-Gamma2A cell line ; 2C4 cell line

References

References: Langdon et al. 1990. Br J Cancer. 62(2):213-6. PMID: 2386737. ; Oestrogen receptor expression and the effects of oestrogen and tamoxifen on the growth of human ovarian carcinoma cell lines. ; Langdon et al. 1988. Cancer Res. 48(21):6161-5. PMID: 3167862. ; Langdon et al. 1988. Cancer Res. 48(21):6166-72. PMID: 3167863. ; Effect of sodium butyrate and other differentiation inducers on poorly differentiated human ovarian adenocarcinoma cell lines. ; Characterization and properties of nine human ovarian adenocarcinoma cell lines.

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