

Family 3 subject – LAD-III Lymphoblastoid Cell Line

Catalogue number: 153769

Sub-type:

Images:

Contributor

Inventor: Nancy Hogg

Institute: Cancer Research UK, London Research Institute: Lincoln's Inn Fields

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Family 3 subject – LAD-III Lymphoblastoid Cell Line

Alternate name: Fermitin family homolog 3, MIG2-like protein, Unc-112-related protein 2

Class:

Conjugate:

Description: An EBV-transformed B lymphoblastoid cell line (LCL) derived from a Turkish subject that has Leukocyte Adhesion Deficiency-III (LAD-III) with a mutation in the kindlin-3 gene. LCLs are also available from the mother and father. This cell line was derived from 'Family 3 subject' as described in Svensson et al. 2009. N.Nat Med. 2009 Mar;15(3):306-12. PMID: 19234463. The Family 3 subject has an inactivating mutation in exon 12 of the KINDLIN3 gene resulting in a translational stop codon. This mutation leads to an overall decrease in KINDLIN3 mRNA levels and loss of protein expression.

Purpose:

Parental cell:

Organism: Human

Tissue: Blood

Model:

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Suspension, lymphoblastoid cell line

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Kindlin-3, UniProt ID:Q86UX7

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:

Application notes:

Handling

Format: Frozen

Concentration:

Passage number:

Growth medium: RPMI-1640 + 10% FCS

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions: Liquid Nitrogen

Shipping conditions: Dry ice

Related tools

Related tools: Family 3 mother - LAD-III EBV Lymphoblastoid Cell Line

References

References: Svensson et al. 2009. Nat Med. 15(3):306-12. PMID: 19234463. ; Leukocyte adhesion deficiency-III is caused by mutations in KINDLIN3 affecting integrin activation.

CancerTools.org