

Leprosy T Cell Line

Catalogue number: 154127

Sub-type:

Images:

Contributor

Inventor: Pranab K Das

Institute:

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Leprosy T Cell Line

Alternate name:

Class:

Conjugate:

Description: Leprosy is an ancient disease caused by gram positive, rod shaped bacilli called Mycobacterium leprae. Patients present with varied clinico-pathological disease depending on the host immune response to Mycobacterium leprae. Lepromatous (LL) patients represent with low T cell and high humoral immune response. The Th2 paradigm is thought to underlye lepromatous disease. Primary T-cells isolated from skin biopsy can be used as a research tool.

Purpose:

Parental cell: Skin of leprosy patient

Organism: Human

Tissue:

Model: Primary line

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details: T cell lines were generated from fresh skin biopsies. Biopsies were incubated in a 24 well plate coated with 10⁶g/well fibronectin to facilitate spontaneous migration of T cells

from the biopsy into the Iscove's Modified Dulbecco Medium (IMDM) supplemented with 10% normal human serum, 1mM glutamine, 100U/ml penicillin and 100U/ml streptomycin. After 5 days extravasated skin T cells were transferred to an uncoated 24 well plate and expanded by mitogenic stimulation with 0.05% PH...

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target:

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:

Application notes:

Handling

Format: Frozen

Concentration:

Passage number:

Growth medium: Iscove's Modified Dulbecco Medium (IMDM) supplemented with 10% normal human serum, 1mM glutamine, 100U/ml penicillin and 100 U/ml streptomycin plus mitogenic stimulation with 0.05% PHA in the presence of irradiated allogeneic feeder cells consisting of PBMCs from two unrelated donors EBV transformed B cells and 10U/ml recombinant human IL-2 for 10 days.

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions: Dry ice

Related tools

Related tools:

References

References:

CancerTools.org