

Immortalised CD40L deficient B Cell Line

Catalogue number: 154102

Sub-type:

Images:

Contributor

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Institute:

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Immortalised CD40L deficient B Cell Line

Alternate name: TRAP, TNFSF5, TNF-Related Activation Protein, T-Cell Antigen Gp39

Class:

Conjugate:

Description: Can be used as antigen presenting cells. Hyper IgM syndromes is a group of primary immune deficiency disorders characterised by defective CD40 signalling via B cells affecting class switch recombination (CSR) and somatic hyper mutation. Immunoglobulin (Ig) class switch recombination deficiencies are characterised by elevated serum Immunoglobulin M (IgM) levels and a considerable deficiency in Immunoglobulins G (IgG), A (IgA) and E (IgE). As a consequence, people with HIGM have decreased concentrations of serum IgG and IgA and normal or elevated IgM, leading to increased susceptibility to infections. Hyper IgM Syndrome type 1 (X-linked), is characterised by mutations of the CD40LG gene. In this type, T cells cannot tell B cells to switch classes.

Purpose:

Parental cell: B cells from CD40L deficient patient

Organism: Human

Tissue:

Model: Immortalised Line

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties: Maintain at 3×10^5 to 7×10^5 cells per ml for optimal growth. Replenish growth medium twice per week

Production details: B Cells were isolated from PBMCs of CD40L deficient Hyper IgM Syndrome patients using standard methods. B cells were transformed with Epstein-Barr virus.

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: RPMI 1640 medium supplemented with 10% FCS, 10mM HEPES buffer, 50U/ml penicillin and 50 µg/ml streptomycin

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions: Dry ice

Related tools

Related tools:

References

References:

CancerTools.org