9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

TNFSF14 Mouse

LIGHT Mouse Recombinant
CYK0600

Product Overview

Name	TNFSF14 Mouse
Description	
LIGHT Mouse Recombinant	
Accession (Primary)	Q9QYH9
Synonyms	
Tumor necrosis factor ligand superfamily member 14, CD258, Tnfsf14, Light.	
Introduction	
TNFRSF14, a member of the TNF receptor superfamily, is a type I transmembrane protein. TNFRSF14 is expressed in peripheral blood T cells, B cells, monocytes and in various tissues enriched in lymphoid cells. TNFRSF14 operates as a co-stimulatory factor for the activation of lymphoid cells and as a deterrent to infection by herpesvirus. Additionally, TNFRSF14 encourages the proliferation of T cells, and triggers apoptosis of various tumor cells.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
TNFSF14 protein was lyophilized from a 0.2 μm filtered concentrated solution in PBS pH7.4.	
Stability	
Lyophilized TNFSF14 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TNFSF14 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 96.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
DGGKGSWEKL IQDQRSHQAN PAAHLTGANA SLIGIGGPLL WETRLGLAFL RGLTYHDGAL VTMEPGYYYV YSKVQLSGVG CPQGLANGLP ITHGLYKRTS RYPKELELLV SRRSPCGRAN SSRVWWDSSF LGGVVHLEAG EEVVVRVPGN RLVRPRDGTR SYFGAFMV.	
Biological Activity	

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The ED 50 as determined by a cytotoxicity assay using human HT-29 cells is less than 2 µg/ml, corresponding to a specific activity of > 500 IU/mg in the presence of murine anti-polyHistidine monoclonal antibody and rHuIFN- g .

Solubility

It is recommended to reconstitute the lyophilized TNFSF14 in sterile 100mM HAc not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

TNFSF14 Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9QYH9)