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32-1807: mTNFSF14 Recombinant Protein

Alternative Name : Tumor necrosis factor ligand superfamily member 14,CD258,Tnfsf14,Light.

Description

Source : Escherichia Coli. TNFSF14 Mouse Recombinant produced in E. Coli is a single, non-glycosylated, polypeptide chain containing 168 amino acids and having a molecular mass of 18.4kDa. 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.

Product Info

Amount :	20 µg
Purification :	"Greater than 96.0% as determined by: (a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE."
Content :	TNFSF14 protein was lyophilized from a 0.2µm filtered concentrated solution in PBS pH7.4.
Storage condition :	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.
Amino Acid :	DGGKGSWEKL IQDQRSHQAN PAAHLTGANA SLIGIGGPLL WETRLGLAFL RGLTYHDGAL VTMEPGYYYV YSKVQLSGVG CPQGLANGLP ITHGLYKRTS RYPKELELLV SRRSPCGRAN SSRVWWDSSF LGGVVHLEAG EEVVVRVPGN RLVRPRDGTR SYFGAFMV.

Application Note

It is recommended to reconstitute the lyophilized TNFSF14 in sterile 100mM HAc not less than 100Ã‚Âµg/ml, which can then be further diluted to other aqueous solutions. The ED50 as determined by a cytotoxicity assay using human HT-29 cells is less than 2Ã‚Âµg/ml, corresponding to a specific activity of > 500 IU/mg in the presence of murine anti-polyHistidine monoclonal antibody and rHuIFN-g.

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