
Product Data Sheet

Product Name: Mouse OX40L
 Cat. No.: GP26079
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	Tumor necrosis factor ligand superfamily member 4, OX40 ligand, OX40L, OX-40L, CD252, Tnfsf4, Ox40l, Txgp1l, gp3, OX4, Ath-1, Ath1, CD134L, gp34, Tnlg2b, Txgp1l		
Amino Acid Sequence	ADPSSSPAKD PPIQRLRGAV TRCEDGQLFI SSKNEYQTM EVQNNSVVIK CDGLYIIYLK GSFFQEVKID LHFREDHNPI SIPMLNDGRR IVFTVVASLA FKDKVYLTVN APDTLCEHLQ INDGELIVVQ LTPGYCAPEG SYHSTVNQVP LHHHHHH		
Formulation	The OX40L solution (1mg/ml) contains 10% Glycerol and Phosphate-Buffered Saline (pH 7.4).		

Introduction

OX40 Ligand is a part of the tumor necrosis factor (TNF) receptor family. OX40L receptor is OX40 which is expressed predominantly on activated CD4+ T cells. OX40 Ligand is expressed on various antigen-presenting cells such as macrophages, DC2s and activated B lymphocytes. Expression of OX40 is momentary following engagement of T cell receptors. The ligation of OX40-OX40L stimulates proliferation and differentiation of activated B cells, increases immunoglobulin secretion and is also a source of survival signal for T cells and enables the development of memory T cells.

Biological Activity

Determined by its binding ability in a functional ELISA with Human TNFRSF4 (CAT# cyt-1039).

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

OX40L Mouse produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 157 amino acids (51-198 aa) and having a molecular mass of 17.7kDa. OX40L is fused to a 6 amino acid His tag at C-terminus and purified by proprietary chromatographic techniques.

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