AdipoGen®
LIFE SCIENCES

PRODUCT DATA SHEET

AG-40B-0173 24-Jan-2017

Fc (human):CD137L, Soluble (human) (rec.)
[4-1BBL; TNFSF9]

AG-40B-0173-3010	3 x 10 µg
AG-40B-0173-C010	10 µg

Source/Host	HEK 293 cells
MW	~46kDa (SDS-PAGE)
Sequence	The receptor-binding domain of human CD137L (aa 85-254) is fused at the N-terminus to the Fc portion of human IgG1.

Handling / Storage

Shipping	BLUE ICE
Short Term Storage	+4°C
Long Term Storage	-20°C

After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles. PBS containing at least 0.1% BSA should be used for further dilutions.

Use / Stability
Stable for at least 6 months after receipt when stored at -20°C.

MSDS available at www.adipogen.com or upon request.

Product Specifications

Specificity	Binds to human CD137 receptor.
Purity	≥90% (SDS-PAGE)
Formulation	Lyophilized. Contains PBS.
Concentration	0.1mg/ml after reconstitution.
Reconstitution	Reconstitute with 100µl sterile water.
Endotoxin Content	<0.01EU/µg purified protein (LAL test; Lonza).

Other Product Data

Uniprot link P41273: CD137L (human)

WARNING: Intended for research use only. This product is not intended or approved for human, diagnostics, therapeutic or veterinary use. Use of this product for human or animal testing is extremely hazardous and may result in disease, severe injury, or death. **MATERIAL SAFETY DATA:** Review the complete Material Safety Data Sheet before use.

North/South America:
Adipogen Corp.
9853 Pacific Heights Blvd., Suite L
San Diego, CA 92121-4721
USA
TEL (858) 457-8383
FAX (858) 457-8484
info-us@adipogen.com

Rest of World:
Adipogen AG
Schützenstrasse 12
4410 Liestal
Switzerland
TEL +41-61-926-60-40
FAX +41-61-926-60-49
info@adipogen.com

For Local Distributors please visit
www.adipogen.com

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Product Description

The CD137 ligand (CD137L; 4-1BBL) is a member of the tumor necrosis factor (TNF) family. CD137L is a type II transmembrane protein found on activated macrophages, dendritic cells and mature B cells. The interaction with its receptor 4-1BB induces recruitment of TNF receptor-associated factor 1 (TRAF1) and TRAF2 and interaction with the kinase p56lck. CD137 and CD137L have been reported to be involved in tumor rejection, apoptosis, anti-viral immunity, diabetes and in T and B cell co-stimulation and modulation of the immune response.

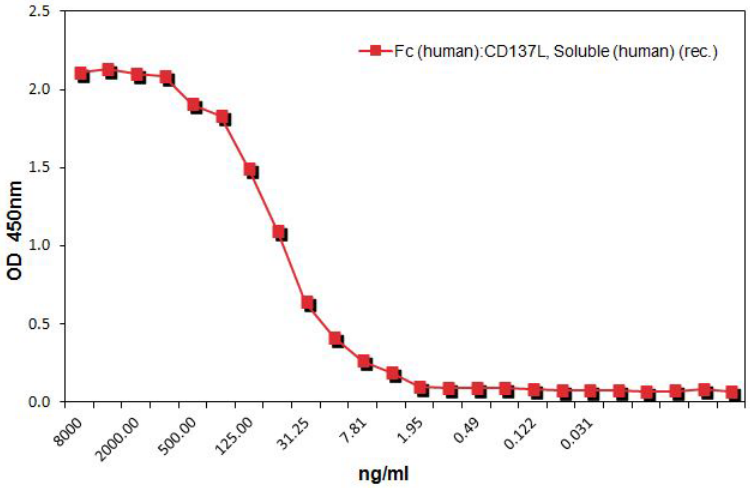

Figure 1: Fc (human):CD137L, Soluble (human) (rec.) (AG-40B-0173) binds to human CD137. **Method:** CD137 (human):Fc was coated on an ELISA plate at 1µg/ml. After blocking and washing steps, indicated concentrations of Fc (human):CD137L, Soluble (human) (AG-40B-0173) was added. Following incubation for 1 h at RT, the binding was detected using an anti-human CD137L primary antibody (AG-20A-0031), following with an anti-IgG (mouse) (HRP) secondary antibody.

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