

ARG66070
anti-CD258 / LIGHT antibody (Biotin)Package: 50 µg
Store at: 4°C

Summary

Product Description	Biotin-conjugated Rabbit Polyclonal antibody recognizes CD258 / LIGHT
Tested Reactivity	Hu
Tested Application	ELISA, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD258 / LIGHT
Species	Human
Immunogen	Hi-5 Insect cells derived recombinant Human LIGHT / CD258. (RLGEMVTRLP DGPAGSWEQL IQERRSHEVN PAAHLTGANS SLTGSGGPLL WETQLGLAFL RGLSYHDGAL VVKAGYIYI YSKVQLGGVG CPLGLASTIT HGLYKRTPRY PEELELLVSQ QSPCGRATSS SRVWWDSSFL GGVVHLEAGE KVVVRVLDER LVRLRDGTRS YFGAFMV)
Conjugation	Biotin
Alternate Names	CD258; Herpes virus entry mediator ligand; HVEM; HVEM-L; Herpesvirus entry mediator ligand; LTg; LIGHT; CD antigen CD258; TR2; Tumor necrosis factor ligand superfamily member 14

Application Instructions

Application table	Application	Dilution
	ELISA	Direct: 0.25 - 1.0 µg/ml Sandwich: 0.25 - 1.0 µg/ml with ARG56832 as a capture antibody
	WB	0.1 - 0.2 µg/ml

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified by affinity chromatography.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 8740 Human](#)

[Swiss-port # O43557 Human](#)

Gene Symbol

TNFSF14

Gene Full Name

tumor necrosis factor (ligand) superfamily, member 14

Background

The protein encoded by this gene is a member of the tumor necrosis factor (TNF) ligand family. This protein is a ligand for TNFRSF14, which is a member of the tumor necrosis factor receptor superfamily, and which is also known as a herpesvirus entry mediator (HVEM). This protein may function as a costimulatory factor for the activation of lymphoid cells and as a deterrent to infection by herpesvirus. This protein has been shown to stimulate the proliferation of T cells, and trigger apoptosis of various tumor cells. This protein is also reported to prevent tumor necrosis factor alpha mediated apoptosis in primary hepatocyte. Two alternatively spliced transcript variant encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]

Function

Cytokine that binds to TNFRSF3/LTBR. Binding to the decoy receptor TNFRSF6B modulates its effects. Activates NFkB, stimulates the proliferation of T-cells, and inhibits growth of the adenocarcinoma HT-29. Acts as a receptor for Herpes simplex virus. [UniProt]

Calculated Mw

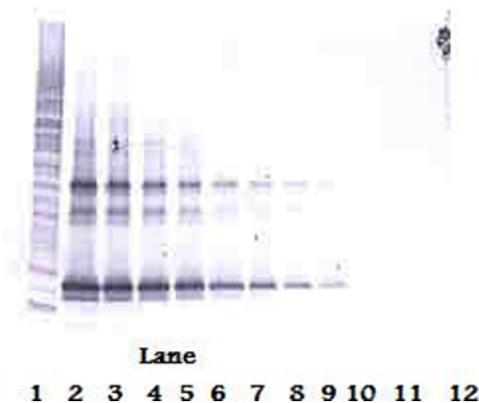
26 kDa

PTM

N-glycosylated.

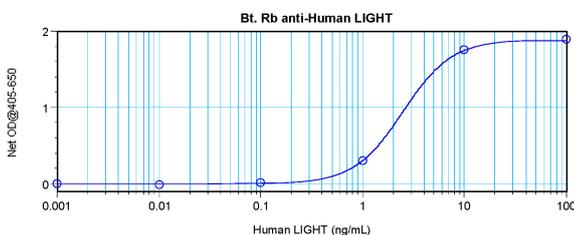
The soluble form of isoform 1 derives from the membrane form by proteolytic processing.

Images



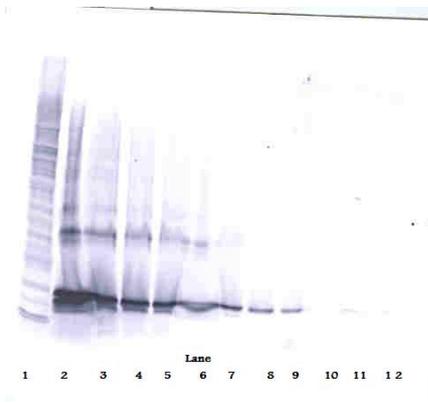
ARG66070 anti-CD258 / LIGHT antibody (Biotin) WB image

Western blot: 250 - 0.24 ng of Human LIGHT stained with ARG66070 anti-CD258 / LIGHT antibody (Biotin), under non-reducing conditions.



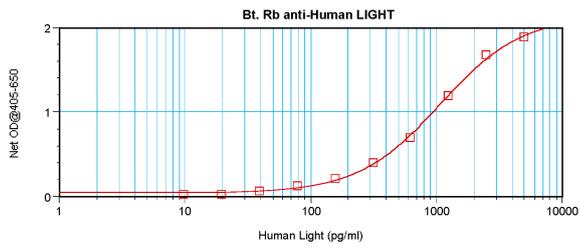
ARG66070 anti-CD258 / LIGHT antibody (Biotin) standard curve image

Direct ELISA: ARG66070 anti-CD258 / LIGHT antibody (Biotin) at 0.25 - 1.0 µg/ml results of a typical standard run with optical density reading at 405 - 650 nm.



ARG66070 anti-CD258 / LIGHT antibody (Biotin) WB image

Western blot: 250 - 0.24 ng of Human LIGHT stained with ARG66070 anti-CD258 / LIGHT antibody (Biotin), under reducing conditions.



ARG66070 anti-CD258 / LIGHT antibody (Biotin) standard curve image

Sandwich ELISA: ARG66070 anti-CD258 / LIGHT antibody (Biotin) as a detection antibody at 0.25 - 1.0 $\mu\text{g}/\text{ml}$ combined with ARG56832 anti-CD258 / LIGHT antibody as a capture antibody. Results of a typical standard run with optical density reading at 405 - 650 nm.