

ARG56832 anti-CD258 / LIGHT antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD258 / LIGHT
Tested Reactivity	Hu
Tested Application	ELISA, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD258 / LIGHT
Species	Human
Immunogen	Hi-5 Insect cells derived Recombinant Human LIGHT. (RLGEMVTRLR DGPAGSWEQL IQERRSHEVN PAAHLTGANS SLTGSGGPLL WETQLGLAFL RGLSYHDGAL VVKAGYIYI YSKVQLGGVG CPLGLASTIT HGLYKRTPRY PEELELLVSQ QSPCGRATSS SRVWWDSSFL GGVVHLEAGE KVVVRVLDER LVRLRDGTRS YFGAFMV)
Conjugation	Un-conjugated
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	Sandwich: 0.5 - 2.0 µg/ml as a capture antibody
	IHC-P	2.5 µg/ml
	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.

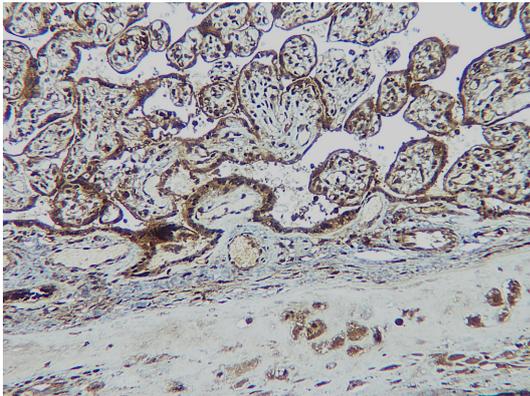
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. 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

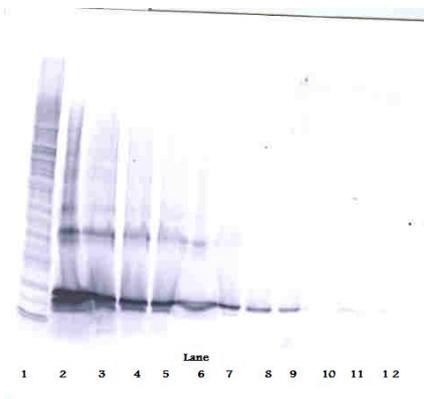
Database links	GeneID: 8740 Human Swiss-port # O43557 Human
Gene Symbol	TNFSF14
Gene Full Name	tumor necrosis factor (ligand) superfamily, member 14
Background	The protein encoded by this gene is a member of the tumor necrosis factor (TNF) ligand family. This protein is a ligand for TNFRSF14, which is 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



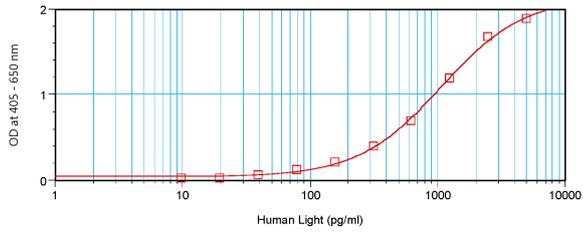
ARG56832 anti-CD258 / LIGHT antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded sections of Human normal placenta. The recommended ARG56832 anti-CD258 / LIGHT antibody concentration is 2.5 µg/ml with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Antigen Retrieval: Boil tissue section in a buffer (pH 8.0) followed by cooling at RT for 20 min.



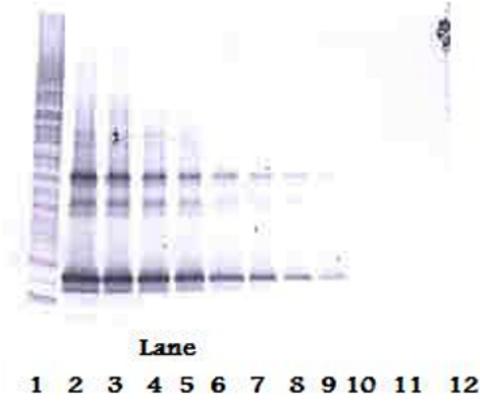
ARG56832 anti-CD258 / LIGHT antibody WB image

Western blot: 250 - 0.24 ng of Human LIGHT stained with ARG56832 anti-CD258 / LIGHT antibody, under reducing conditions.



ARG56832 anti-CD258 / LIGHT antibody standard curve image

Sandwich ELISA: ARG56832 anti-CD258 / LIGHT antibody as a capture antibody at 0.5 - 2.0 $\mu\text{g}/\text{ml}$ combined with Biotinylated anti-LIGHT antibody as a detection antibody. Results of a typical standard run with optical density reading at 405 - 650 nm.



ARG56832 anti-CD258 / LIGHT antibody WB image

Western blot: 250 - 0.24 ng of Human LIGHT stained with ARG56832 anti-CD258 / LIGHT antibody, under non-reducing conditions.