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TNFSF14 Rabbit pAb

Catalog Number:	bs-2462R
Target Protein:	TNFSF14
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), ELISA (1:500-5000)
Reactivity:	Human, Mouse (predicted:Rat)
Predicted MW:	26 kDa
Subcellular Locations:	Secreted ,Cell membrane ,Cytoplasm
Entrez Gene:	8740
Swiss Prot:	O43557
Source:	KLH conjugated synthetic peptide derived from human TNFSF14: 141-240/240.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	LIGHT protein is a type II transmembrane protein and a tumor necrosis factor (TNF) ligand superfamily member (TNFSF14). LIGHT is expressed on activated T cells and immature dendritic cells and its receptors have been identified as lymphotoxin-Beta receptor (LTBetaR) and the herpesvirus entry mediator (HVEM), both of which lack the cytoplasmic sequence termed as "death domain." LIGHT is first identified as HVEM ligand (HVEM-L) and a deterrent to herpesvirus infection according to its ability to compete with HSV glycoprotein D for HVEM binding. As a T cell-derived costimulatory ligand, TNFSF14 plays a crucial role in T cell activation and proliferation by LIGHT-LTBetaR interaction, and it is necessary and sufficient for LIGHT-mediated apoptosis of tumor cells. Additionally, recent studies also establish a direct role for LIGHT in NK activation/expansion via LIGHT-HVEM interaction, and thus breaking T-cell tolerance at the tumor site. Accordingly, LIGHT is suggested to be involved in CTL-mediated tumor rejection, allograft rejection and graft versus host disease. Although known as lymphotoxin-Gamma, LIGHT plays a minimal role in lymphoid tissue development in contrast with LT-Alpha and Beta. This protein was also demonstrated to inhibit TNF-Alpha-mediated but not Fas- or TRAIL-mediated apoptosis of human primary

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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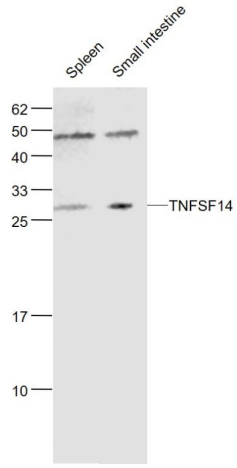
VALIDATION IMAGES



Sample: Spleen (Mouse) Lysate at 40 ug Small intestine (Mouse) Lysate at 40 ug Primary: Anti-TNFSF14 (bs-2462R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 26 kD Observed band size: 26 kD

PRODUCT SPECIFIC PUBLICATIONS

[IF=4.486] Yu Zhong. et al. LIGHT aggravates sepsis - associated acute kidney injury via TLR4 - MyD88 - NF - κB pathway. J Cell Mol Med. 2020 Oct;24(20):11936-11948 IF ; Human . 32881263

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